ONKYO

R-811RDS

FM Stereo/AM Tuner Amplifier

CONTENTS

Thank you for your purchase of the Onkyo R-811RDS.
Please read this manual thoroughly before making connections and turning power on.
Following the instructions in this manual will enable you to obtain optimum performance and listening enjoyment from your new R-811RDS.
Please retain this manual for future reference.

Features

■ Uncommonly High Quality Sound
Your R-811RDS owes its exceptionally high-quality sound to a number of distinctive features. Notable among them are the same basic components and technology that are built into Onkyo's high-end A-911 integrated amplifier, such as plenty of power, discrete output stage amplifiers and costly, high-quality electrolytic capacitors.

■ RDS (Radio Data System)
RDS lets you get the most from today's improved FM broadcasts by providing you with useful station and programming data, including PTY (program type), TP (traffic program), RT (radio text) and PS (program service).

■ Unique Timer System for More Choices
The R-811RDS's unique timer gives you a number of options. It lets you play or record one time, or once every day, from the component of your choice (CD player, tape deck, or tuner). You can also set different times for weekdays and weekends. Plus, there's a sleep timer that turns off the power from 10 to 90 minutes after you set it.

■ ꞟꞟ Compatible Remote Control
The ꞟꞟ (Remote Interactive) compatible remote control lets you operate practically all of the R-811RDS's functions from your favorite listening spot. It also gives you armchair control over the major functions of almost any other Onkyo component bearing the ꞟꞟ mark.

Memory Preservation
This unit does not require memory preservation batteries. A built-in memory power back-up system preserves the contents of the memory during power failures and even when the unit is unplugged. The unit must be plugged in order to charge the back-up system.
The memory preservation period after the unit has been unplugged varies depending on climate and placement of the unit. On the average, memory contents are protected over a period of a few weeks after the last time the unit has been unplugged. This period is shorter when the unit is exposed to a highly humid climate.
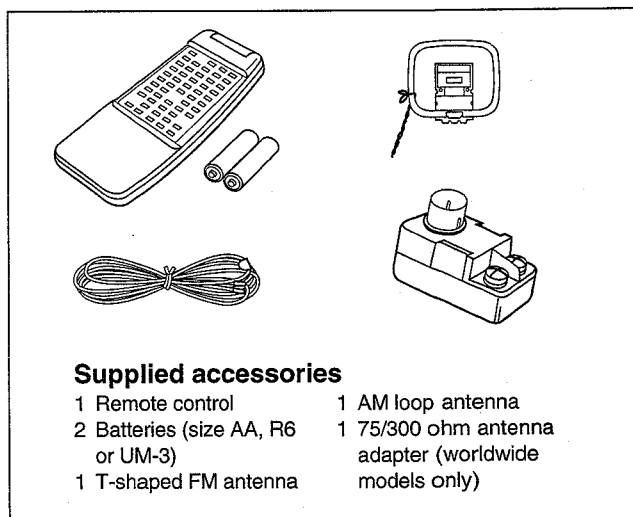

Supplied accessories
1 Remote control	1 AM loop antenna
2 Batteries (size AA, R6 or UM-3)	1 75/300 ohm antenna adapter (worldwide models only)
1 T-shaped FM antenna	

"WARNING"
"TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE."

CAUTION:
"TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN

● The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

● The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

Important safeguards

1. **Read Instructions** – All the safety and operating instructions should be read before the appliance is operated.

2. **Retain Instructions** – The safety and operating instructions should be retained for future reference.

3. **Heed Warnings** – All warnings on the appliance and in the operating instructions should be adhered to.

4. **Follow Instructions** – All operating and use instructions should be followed.

5. **Water and Moisture** – The appliance should not be used near water – for example, near a bathtub, washbowl, kitchen sink, laundry tub, in a wet basement, or near a swimming pool, and the like.

6. **Carts and Stands** – The appliance should be used only with a cart or stand that is recommended by the manufacturer.

6A. An appliance and cart combination should be moved with care. Quick stops, excessive force, and uneven surfaces may cause the appliance and cart combination to overturn.

PORTABLE CART WARNING

S3125A

7. **Wall or Ceiling Mounting** – The appliance should be mounted to a wall or ceiling only as recommended by the manufacturer.

8. **Ventilation** – The appliance should be situated so that its location or position does not interfere with its proper ventilation. For example, the appliance should not be situated on a bed, sofa, rug, or similar surface that may block the ventilation openings; or, placed in a built-in installation, such as a bookcase or cabinet that may impede the flow of air through the ventilation openings.

9. **Heat** – The appliance should be situated away from heat sources such as radiators, heat registers, stoves, or other appliances (including amplifiers) that produce heat.

10. **Power Sources** – The appliance should be connected to a power supply only of the type described in the operating instructions or as marked on the appliance.

11. **Polarization** – The polarization of the plug is a safety feature. The polarized plug will only fit the outlet one way. If the plug does not fit fully into the outlet, try reversing it. If there is still trouble inserting it, the user should seek the services of a qualified electrician. Under no circumstances should the user attempt to defeat the polarization of the plug.

12. **Power-Cord Protection** – Power-supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, especially near plugs, convenience receptacles, and the point where they exit from the appliance.

13. **Cleaning** – The appliance should be cleaned only as recommended by the manufacturer.

14. **Power Lines** – An outdoor antenna should be located away from power lines.

15. **Nonuse Periods** – The power cord of the appliance should be unplugged from the outlet when left unused for a long period of time.

16. **Object and Liquid Entry** – Care should be taken so that objects do not fall and liquids are not spilled into the enclosure through openings.

17. **Damage Requiring Service** – The appliance should be serviced by qualified service personnel when:
    A. The power-supply cord or the plug has been damaged; or
    B. Objects have fallen, or liquid has been spilled into the appliance; or
    C. The appliance has been exposed to rain; or
    D. The appliance does not appear to operate normally or exhibits a marked change in performance; or
    E. The appliance has been dropped, or the enclosure damaged.

18. **Servicing** – The user should not attempt to service the appliance beyond that described in the operating instructions. All other servicing should be referred to qualified service personnel.

19. **Outdoor Antenna Grounding** – If an outside antenna is con-

nected to the receiver, be sure the antenna system is grounded so as to provide some protection against voltage surges and built up static charges. Article 810 of the National Electrical Code, ANSI/NFPA 70, provides information with regard to proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna discharge unit, size of grounding conductors, location of the antenna-discharge unit, connection to grounding electrodes, and requirements for the grounding electrode. See Figure 73.1.

FIGURE 73.1:
EXAMPLE OF ANTENNA GROUNDING AS PER NATIONAL ELECTRICAL CODE
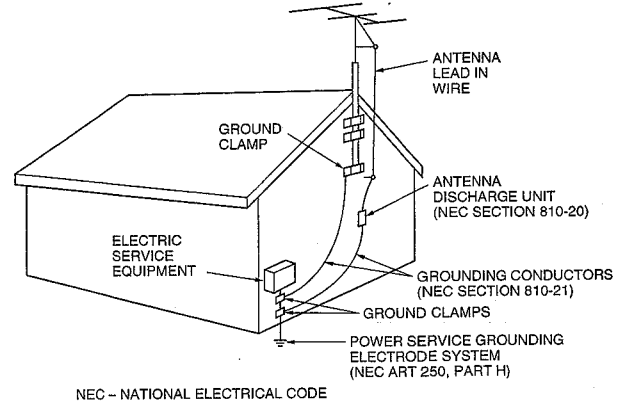
NEC – NATIONAL ELECTRICAL CODE
S2898A

Precautions

1. Warranty Card
The serial number is written on the rear panel of this unit. Copy the serial number and model number onto your warranty card and keep it in a safe place.

2. Care
From time to time you should wipe the front and rear panels and the cabinet with a soft cloth. For heavier dirt, dampen a soft cloth in a weak solution of mild detergent and water, wring it out dry, and wipe off the dirt. Following this, dry immediately with a clean cloth. Do not use rough material, thinners, alcohol or other chemical solvents or cloths since these could damage the finish or remove the panel lettering.

3. Power
WARNING
BEFORE PLUGGING IN THE UNIT FOR THE FIRST TIME, READ THE FOLLOWING SECTION CAREFULLY.
● Some models are designed for use only with the power supply voltage of the region where they are sold.
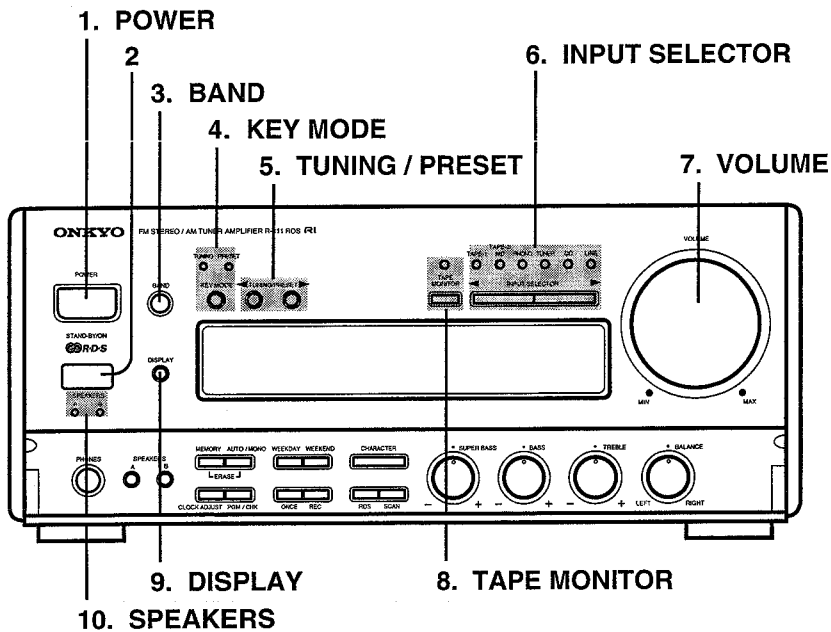
|	
European model (except U.K.):	AC 230V, 50Hz
U.K. and Australian models:	AC 240V, 50Hz
U.S.A. and Canadian models:	AC 120V, 60Hz
Worldwide model:	AC 120V/220V switchable, 50/60Hz

● **Voltage Selector (Rear Panel)**
Worldwide models are equipped with a voltage selector to conform with local power supplies. Be sure to set this switch to match the voltage of the power supply in your area before turning the power button on. Models without a voltage selector can only be used in areas where the power supply is the same as that of the unit.

Control positions and names

1. POWER
2.
3. BAND
4. KEY MODE
5. TUNING / PRESET
6. INPUT SELECTOR
7. VOLUME
9. DISPLAY
8. TAPE MONITOR
10. SPEAKERS

11. PHONES
12. SPEAKERS
13. MEMORY
14. AUTO / MONO
15. WEEKDAY
16. WEEKEND
17. CHARACTER
18. BALANCE
19. TREBLE
20. BASS
21. SUPER BASS
22. SCAN
23. RDS
24. REC
25. ONCE
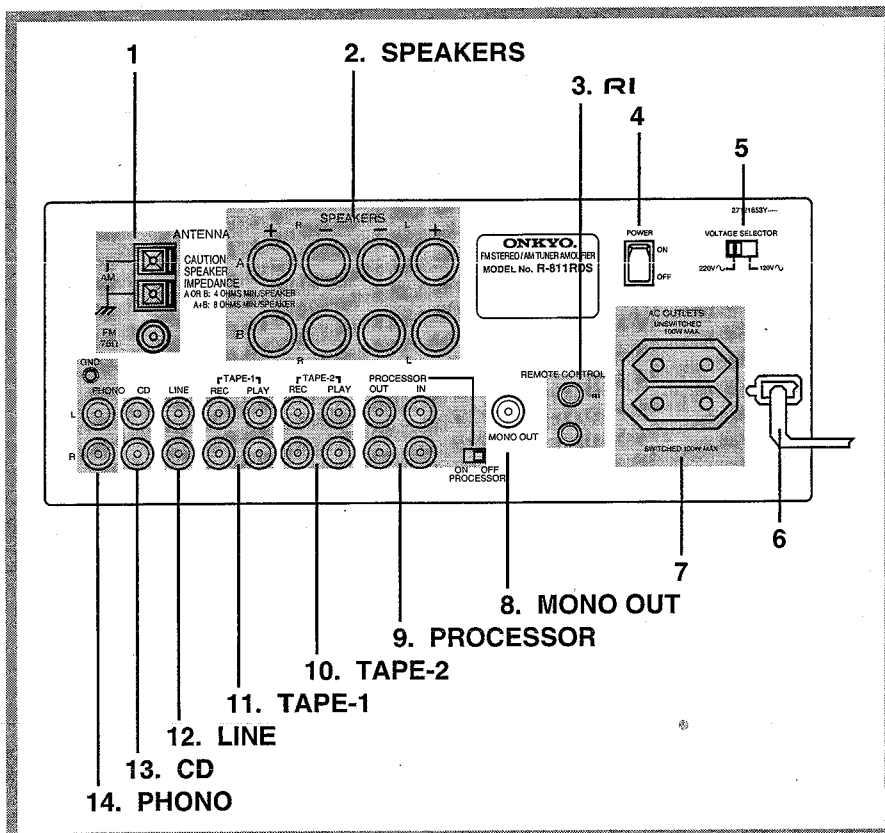26. PROGRAM / CHECK
27. CLOCK ADJUST

Front panel

1. Power button [11]
2. Remote control sensor [6]
3. Band button [15]
4. Key mode button [15]
5. Tuning/preset button [12]
6. Input selector button and indicators [13, 20]
7. Volume control knob [13]
8. Tape monitor button and indicator [14]
9. Display button [19]
10. Speaker A/B indicator [13]
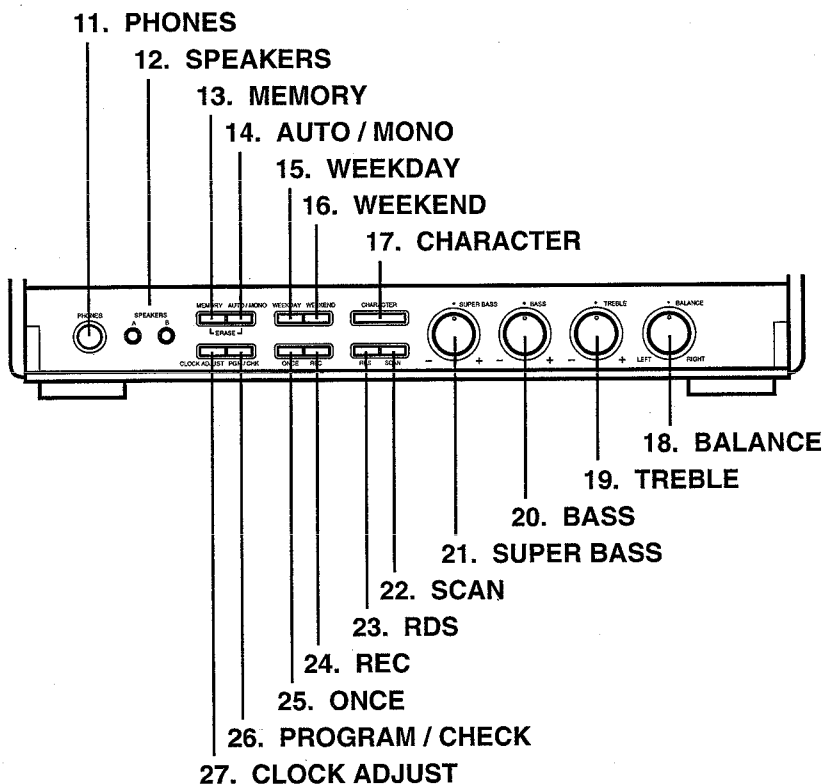
11. Headpone jack [14]
12. Speaker selector button [13]
13. Memory button [12, 15, 25]
14. Auto/mono button [15]
15. Weekday button [23, 25]
16. Weekend button [23, 25]
17. Character button [17]
18. Balance control knob [13]
19. Treble control knob [13]
20. Bass control knob [13]
21. Super bass control knob [13]
22. Scan button [19]
23. RDS button [19]
24. Rec button [23]
25. Once button [23]
26. Program/check button [23]
27. Clock adjust button [12]

4

SPEAKERS diagram labels

1
2. SPEAKERS
3. RI
4
5
6
7
8. MONO OUT
9. PROCESSOR
10. TAPE-2
11. TAPE-1
12. LINE
13. CD
14. PHONO

Rear panel

1. Antenna input terminal [10]
2. Speakrer terminals [9]
3. Remote control jacks [21]
4. Main power switch [11]
5. Voltage selector (Worldwide models only) [5]
6. Power supply cord [11]
7. AC outlets [9]
8. Monaural output terminal [8]
9. Processor connecting terminal [8]
10. Tape deck connecting terminal [8]
11. Tape deck connecting terminal [8]
12. Line input terminal [7]
13. Compact disc player input terminal [7]
14. Analogue player input terminal [7] and ground terminal [7]

a, b, c, d, e, f, g, h, i, j
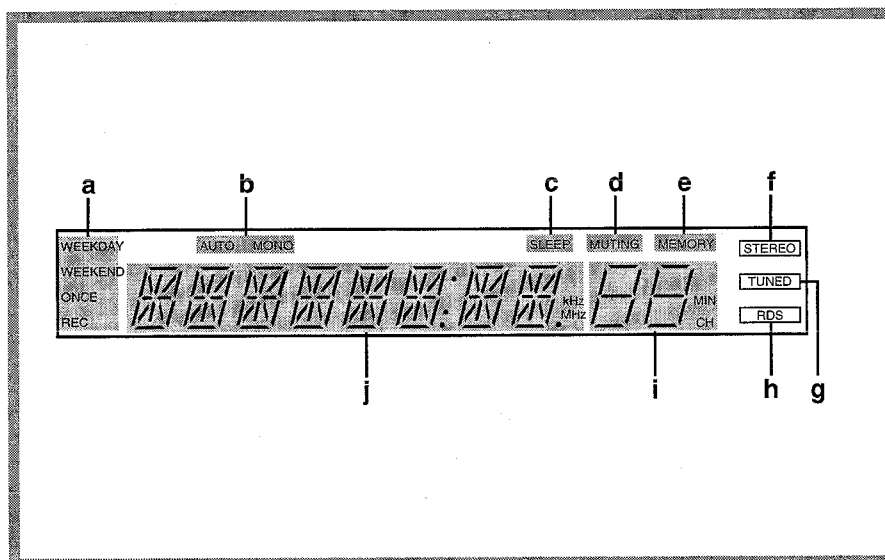
The Display

a. Timer setting indicator
b. Stereo auto/mono indicator
c. Sleep indicator
d. Muting indicator
e. Memory indicator
f. Stereo indicator
g. Tuned indicator
h. RDS staion received indicator
i. Memory channel
j. Multi display

Setting the voltage selector and Tuning step frequency (Worldwide models only)

Tuning Step Frequency switch (Bottom)
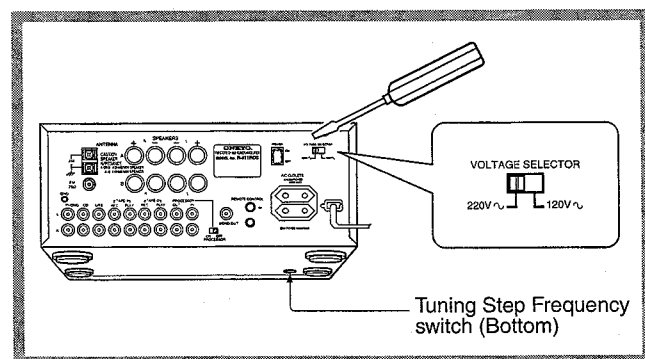
Voltage selector

1. Determine the proper voltage for your area: 220V or 120V.
2. If the preset voltage is not correct for your area, insert a screwdriver into the groove in the switch. Slide the switch all the way to the right (120V) or to the left (220V), whichever is appropriate.

Tuning step frequency

Worldwide models are equipped with a switch that controls the AM (9kHz/10kHz) and FM (50kHz/200kHz) bands tuning steps.
Please set this switch to match the tuning step frequency in your area.

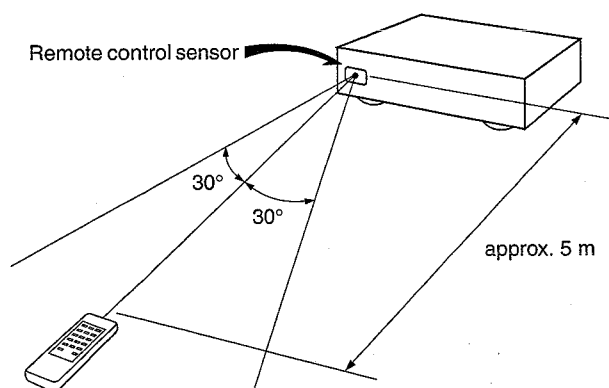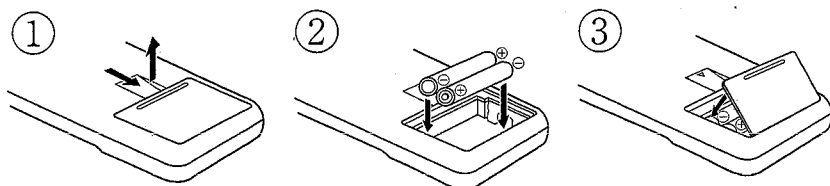U.S.A.   : AM 10kHz, FM 200kHz
Other areas : AM 9kHz, FM 50kHz
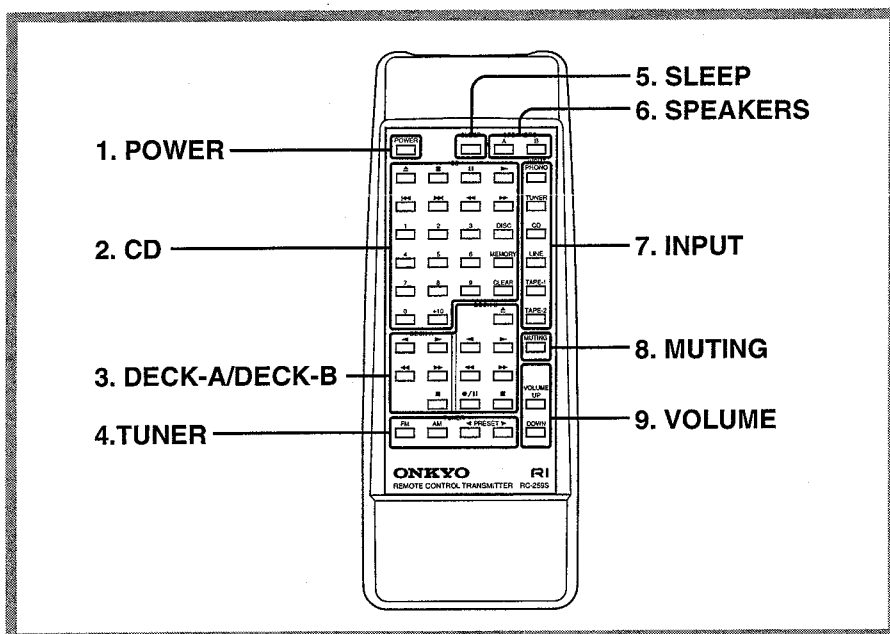
5

Remote control

1. POWER
2. CD
3. DECK-A/DECK-B
4. TUNER
5. SLEEP
6. SPEAKERS
7. INPUT
8. MUTING
9. VOLUME

Please insert the batteries into the remote control according to the illustration.

Remote control sensor

30°
30°

approx. 5 m

Regarding the batteries

Average battery life is about one year, depending upon the frequency of use and the environment (temperature and humidity) in which the remote control is used. Only use batteries of the kind specified in the table below.

Type	Voltage	Size
Manganese	1.5V	AA, R6 or UM-3

Warning

- Do not leave an expired battery in the case – it may leak or damage the remote control.
- Do not use nickel cadmium (rechargeable) batteries.
- Replace both batteries at once; do not use one old battery and one new battery.

Using the remote control

The following information will help you get optimal use from the remote control.

- Place the R-811RDS away from direct bright light, which can prevent proper operation of the remote control.
- Make sure audio rack doors do not have colored glass. If the R-811RDS is placed behind such a door, this may prevent proper remote control operation.
- Using other remote controls in the same room as the R-811RDS remote control may cause interference.
- If the front panel controls function, but the remote control does not, check that batteries have been installed.
  If batteries are installed, but the remote control still does not work, replace the batteries.

6

System connections

- Do not plug in the power cord until all connections have been made.
- On each pair of input jacks, the lower jack (marked R) corresponds to the right channel, and the upper jack (marked L) to the left channel.
- Please refer to the instruction manual of each component when making any connections.
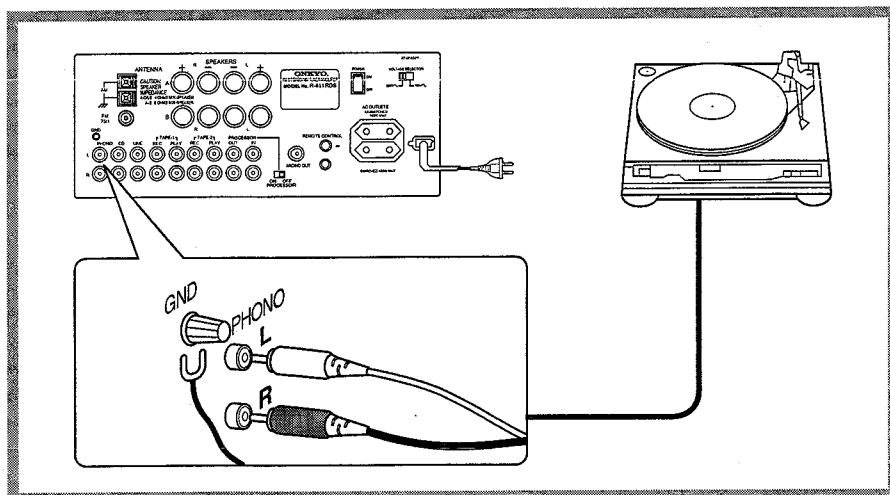
Connecting a turntable (PHONO)

Connect the output leads of the turntable to the PHONO jacks.

Be sure to connect the ground (earth) lead wire from the turntable to the ground terminal (GND). Turntables not provided with GND wires do not need to be connected in this way.

Place the turntable on a firm shelf or deck free from vibrations (especially those generated by the speaker system). If the turntable is permitted to pick up such unwanted vibrations, not only will the performance of the unit drop, but distortion in the bass frequencies and howling in the speakers may also occur.

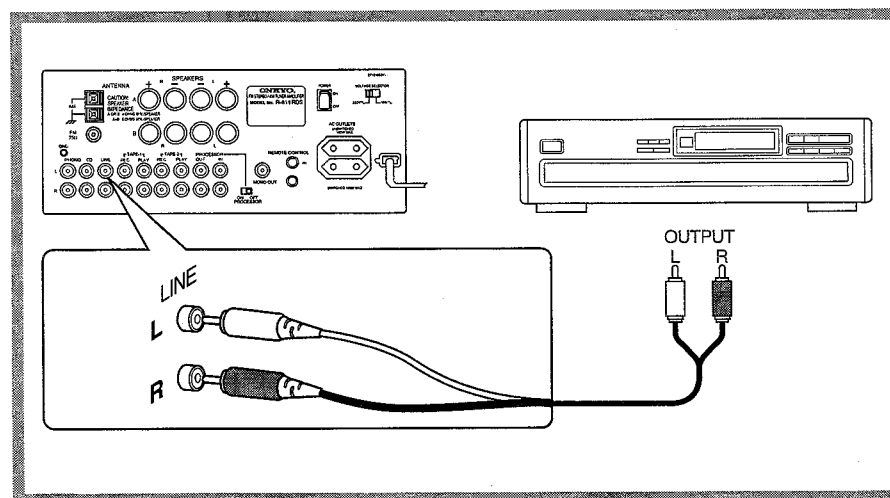An unclear high range or a rough or scratchy sound may be caused by a dirty or worn stylus.

To solve this problem, clean the stylus. If the problem is still not corrected, replace the stylus.
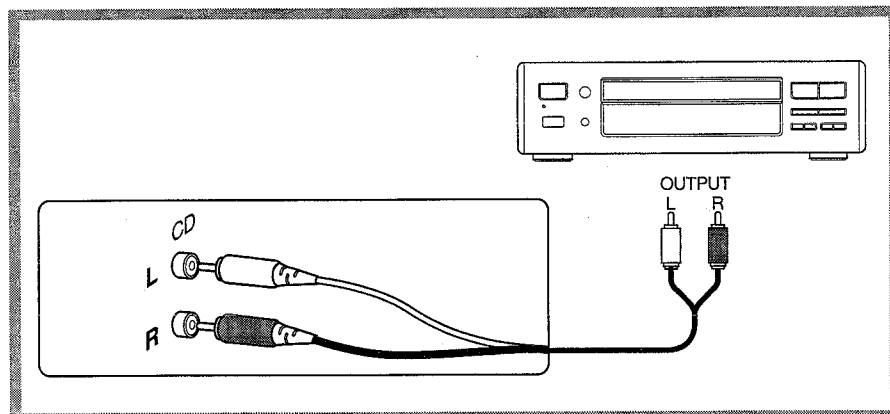
Connecting a CD (CD)

Connect a compact disc player to the CD input jacks.

Connecting additional components (LINE)

This unit is equipped with LINE inputs for connection to a wide range of audio components such as an additional compact disc player, an additional tuner, a television set, a VCR, a 4-channel stereo adaptor and other similar components.

This unit has facilities for two tape decks. If you are using only one tape deck, connect it to the TAPE-1 jacks. If you have two tape decks, connect one to the TAPE-1 jacks and the other to the TAPE-2 jacks.
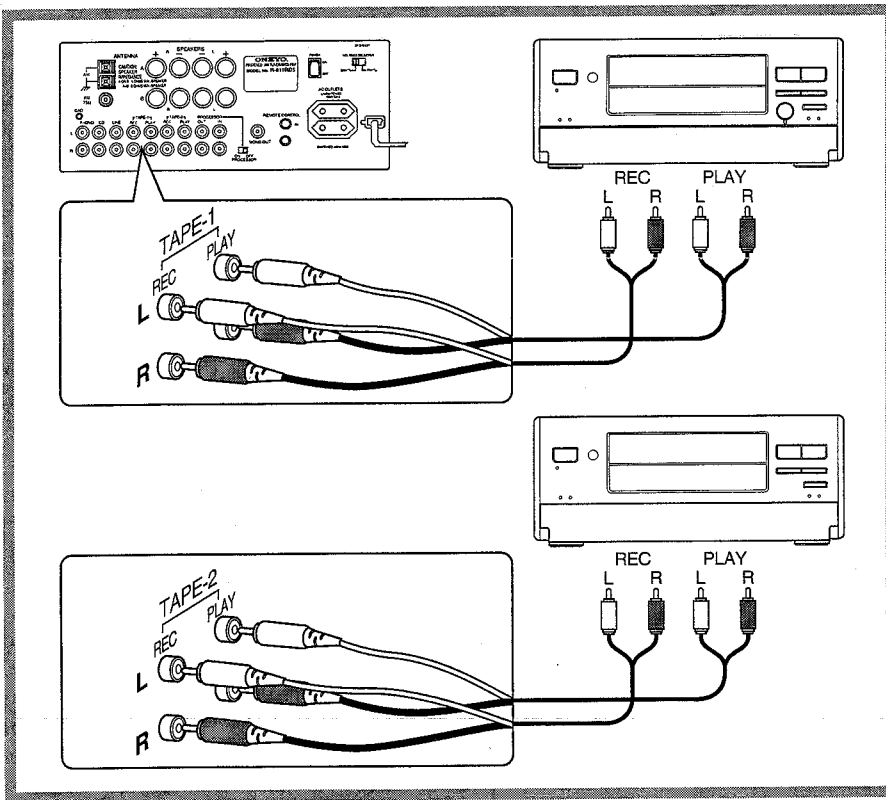
Using the PROCESSOR jacks

An audio processor such as a graphic equalizer can be connected to these jacks. However, if you wish to record the equalized signal, it is necessary to connect a tape deck to the TAPE REC (record) jack of the equalizer, not to the R-811RDS.
- Turn on the PROCESSOR switch when the PROCESSOR jacks are being used.
- When there are no components connected to the PROCESSOR jacks, turn off the PROCESSOR switch.
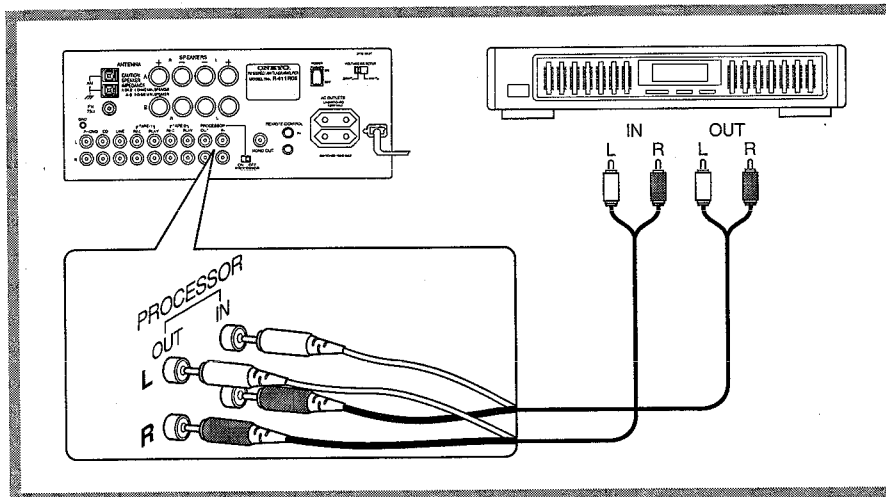
Using the MONO OUT jack

The MONO OUT jack can be connected to a subwoofer amplifier, or to a subwoofer with a built-in amplifier.
When connecting anything to the MONO OUT jack, set the SPEAKERS A button on the front panel to ON.

Active type speaker

8
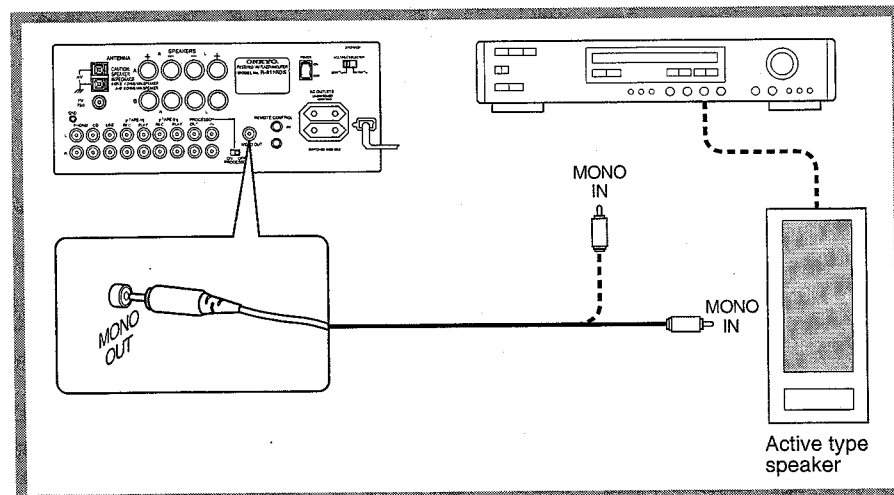
Making system connections

Please refer to the instruction manual of each component when making any connections.

UNSWITCHED
100W MAX.

SWITCHED
100W MAX.

R   R   L   L

+ −   + −   − +   − +

(1) |8mm| (2)

(3)   (4)   (5)
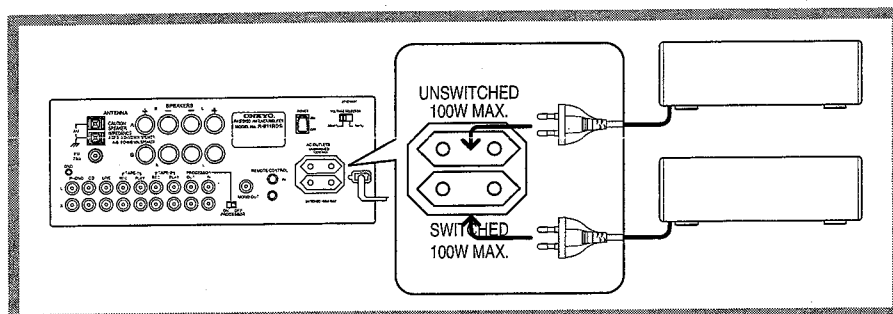
AC outlets

The SWITCHED outlet is switched on and off by the power buttons on the front panel and remote control, with a capacity of 100 watts.

The Power buttons on the front panel and remote control do not affect the power supply to the UNSWITCHED socket. The shape of the socket varies according to the region. The capacity is 100 watts.
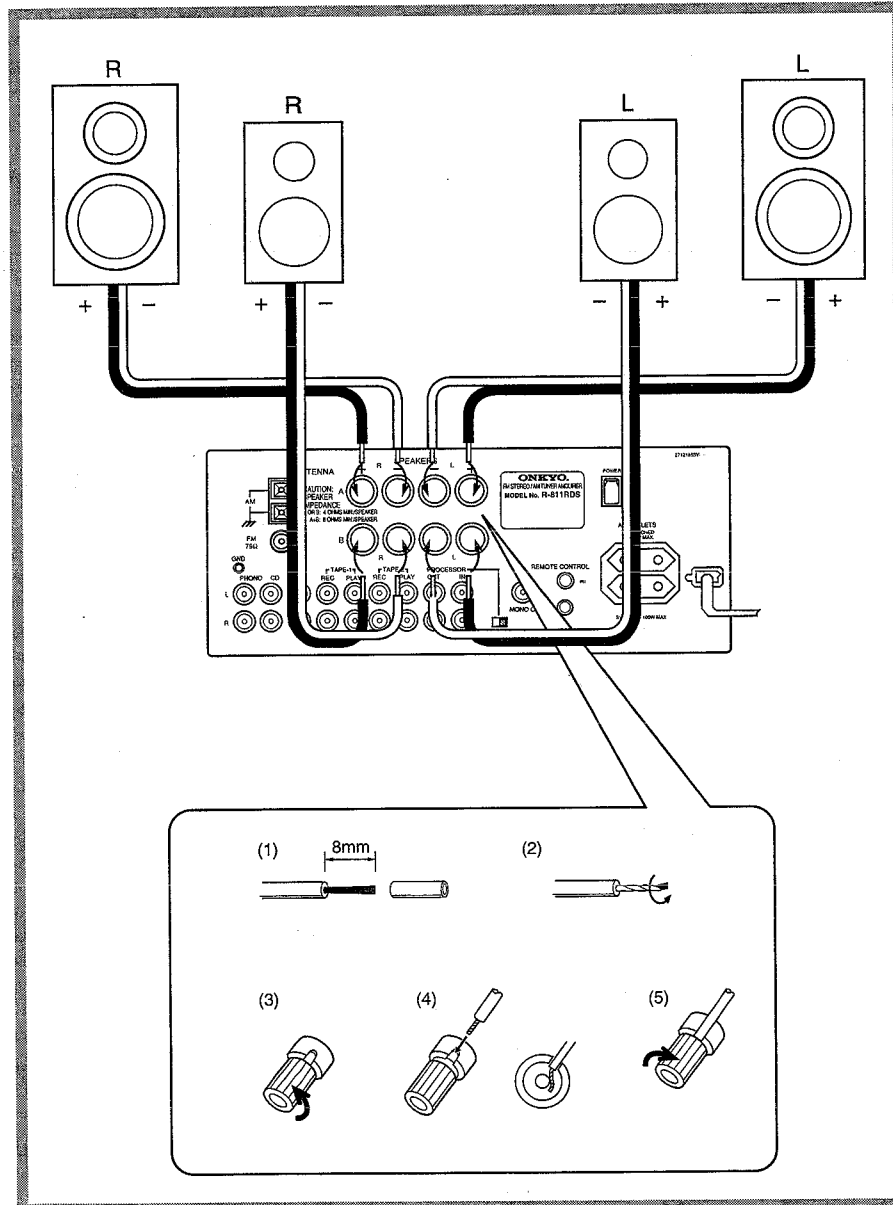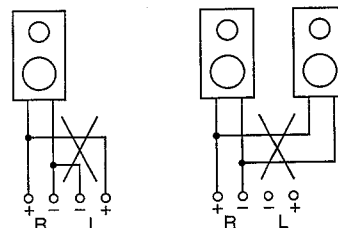
Connecting the speaker

Two separate pairs of speaker systems can be connected to this unit at once.
Please connect each speaker according to the illustration, observing the correct connections for R, L, + and −.

- The load impedance of each speaker system connected to this unit must be at least 4 ohms. (If using only A or only B, 4 ohms min.; if A and B, 8 ohms min.)
- Do not use unnecessarily long or extremely thin speaker leads. If the DC resistance of the speaker leads is too high, the damping factor will decrease, adversely affecting the sound quality.
- When using only one speaker or when you wish to listen to monaural (mono), the single speaker should never be connected in parallel to both the right and left channel terminals at once.
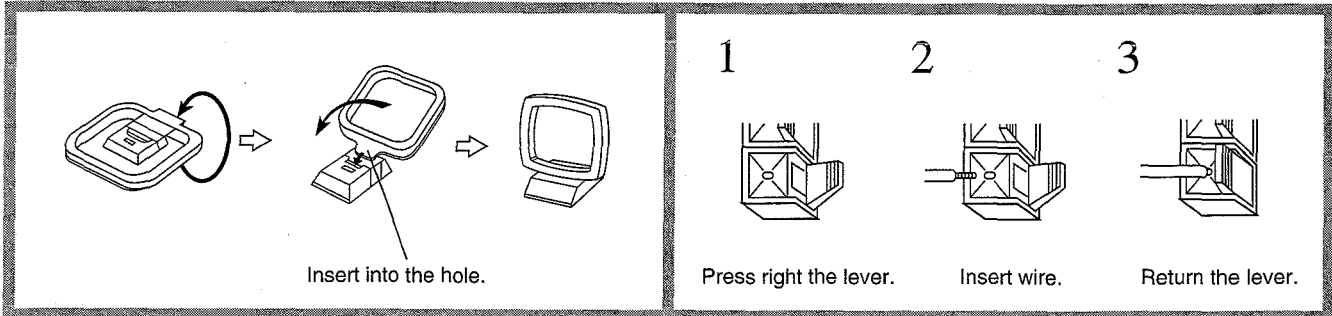

+ −   − +
  R   L

+ −   − +
  R   L

- When using banana plugs, make sure the speaker terminal screws are screwed in firmly before inserting the banana plugs.

9

Making antenna connections

Assembling the AM loop antenna

Connecting the antenna cable

Assemble the loop antenna as shown in the illustration.

Insert into the hole.

1   2   3

Press right the lever.   Insert wire.   Return the lever.

Connecting the AM loop antenna

The AM loop antenna is for indoor use only. Set it to the direction where you can receive the clearest sound. Put it as far as possible away from the main unit, TV set, speaker cords and power cord.
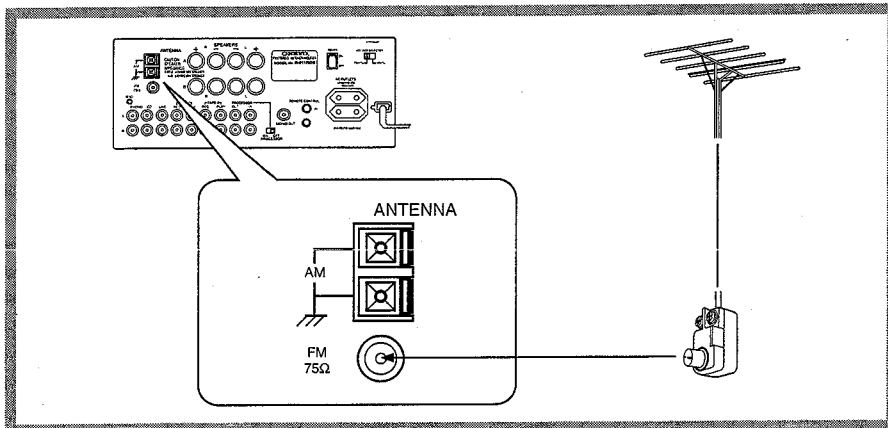

Connecting the AM outdoor antenna

When reception is not satisfactory by the use of the attached AM loop antenna alone, connection of the external antenna is recommended.
(Do not remove the AM loop antenna)
The external antenna will be more effective if you stretch it horizontally in a high place above a window or outside.

Making FM antenna connections

Connecting the T-shaped FM antenna
The T-shaped FM antenna is for indoor use only. Move the antenna in various directions until the clearest signal is received. Fix it with push pins in the position giving the least amount of distortion.
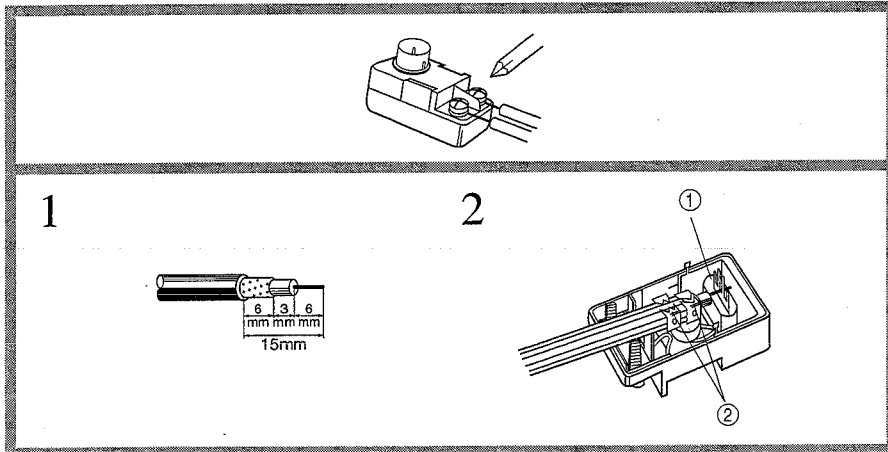
If the reception is not very clear with the attached T-shaped FM antenna, the use of an external antenna is recommended.

Please make sure that you comply with the following considerations regarding the location.

Keep the antenna away from noise sources (neon signs, busy roads etc.)

It is dangerous to put it close to power lines, so keep it well away.


Connecting a 75/300 ohm antenna adapter

Please refer to the following procedure when connecting a 75/300 ohm antenna adapter. (This adapter is included if your R-811RDS is a worldwide model.)

Connecting the coaxial cable

1. Prepare the coaxial cable as shown.
2. Using your fingernail or a small screwdriver, remove the cover.
   Connect the 75/300 ohm antenna adapter to the coaxial cable and replace the cover.
① Insert the end of the cable.
② Clamp in place with pliers.

Connecting the power
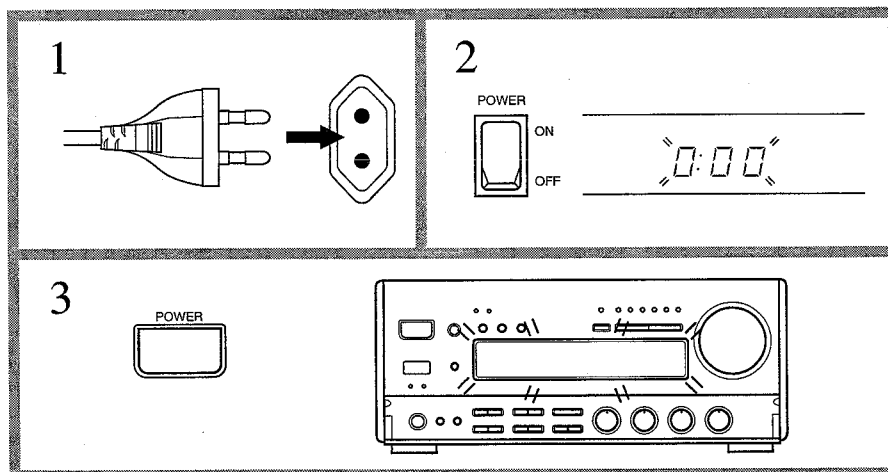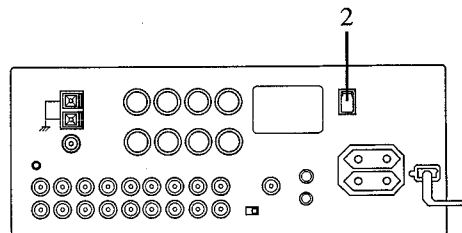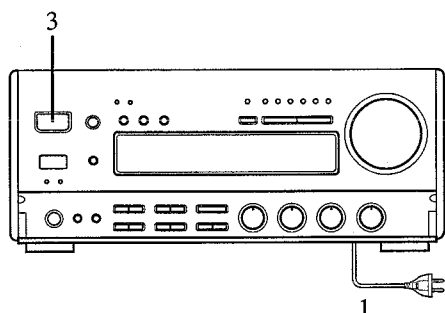
Connecting the power

1. Plug the power cord into the wall outlet.
2. Turn on the power switch on the rear panel and "0:00" will appear on the display.
3. Press the POWER button. The display will light up.
● When connecting the amplifier to the AC outlet, insert the AC cord into the wall outlet and turn on the power.

11

Setting the time and day

2,4

3,5 1

1

CLOCK ADJUST

-ADJ- 0:00

2

◀TUNING/PRESET▶
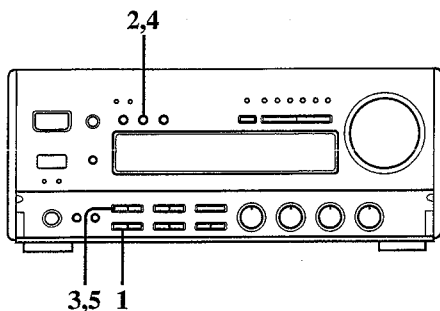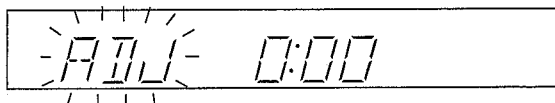
-ADJ- 9:38

3

MEMORY

-SUN- 9:38

4

◀TUNING/PRESET▶

-FRI- 9:38
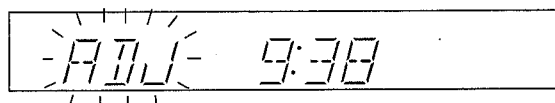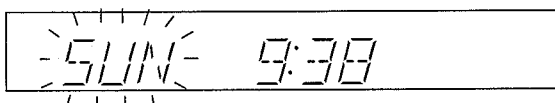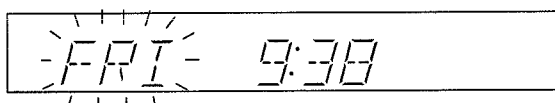
SUN → MON → TUE → WED → THU → FRI → SAT

5

MEMORY

9:38
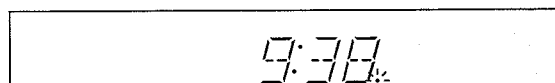
Setting the clock

1. **Press the CLOCK ADJUST button twice quickly within a half of second.**
2. **Set the time.**
   When the button is pressed down for more than 0.5 second, the numbers will quickly change. After pressing the button again to stop the clock from changing, adjust the clock by pressing the button once to change the time by one minute.
3. **Enter the time.**
4. **Set the day.**
5. **Enter the day.**
   The clock starts to work.
   You can set the time accurately from the TV or radio news.

To find out the time while a unit of equipment is playing, press the CLOCK ADJUST button. Press the button once again to return to the original display.

When the unit is in standby mode, the day can be turned on or off with the CLOCK ADJUST button.

If there is a power failure or the rear power switch is turned off, the clock must be set again.

Basic operation

1. When the POWER button is pressed, the power it turned on and the display will light up.
2. **Choose your favorite source from the Input Selector.**
   The indicator corresponding to that source will light up.
3. **Choosing the speakers.**
   Please choose and press the button for the speakers that you want to listen to, and the corresponding indicator will light up. From now on you will be able to hear from the speakers any sound going through the R-811RDS.
4. **Start the selected input source playing.**
   Follow the operating instructions for that unit.
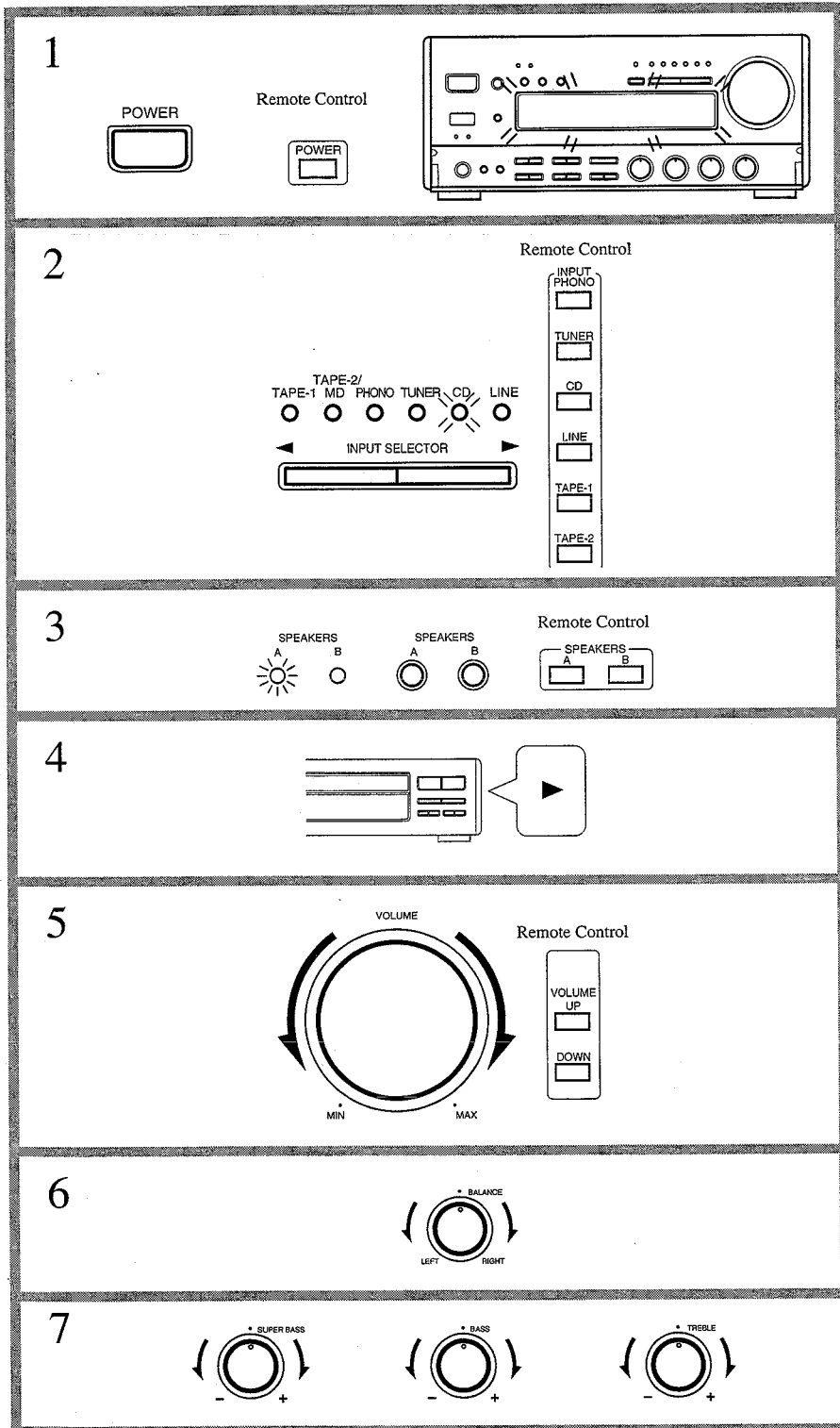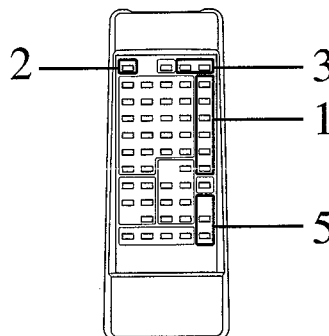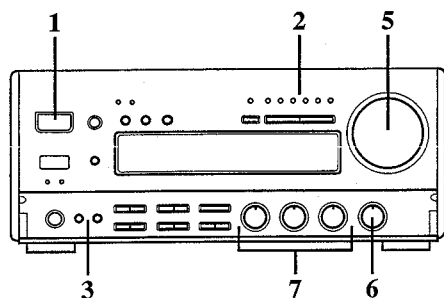5. **Adjust the level.**
   Turn clockwise or press the UP button on the remote control to increase the volume level.
   - When a tuner, compact disc player, and tape deck with the **R I** mark are connected together, you can use the direct function feature.
   - Just by directly operating the desired component (tuner, compact disc player, or tape deck), the R-811RDS's Input Selector automatically switches to that component.
   Therefore, it is not necessary to switch the R-811RDS's Input Selector when changing listening sources.
6. **Adjusting the balance**
   This is used to control the relative volume level of the left and right speaker systems or headphones.
7. **Adjusting the tone**
   Adjust to your desired tone.
   SUPER BASS: Turn right to boost or left to attenuate super bass.
   BASS: Turn right to boost or left to attenuate bass. In the center position, the bass response is flat.
   TREBLE: Turn right to boost or left to attenuate treble. In the center position, the treble response is flat.

13

Operation

1
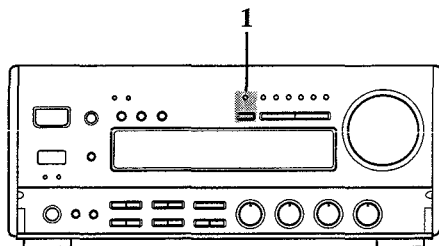
Remote Control
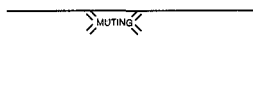
MUTING

MUTING

Temporarily Muting

Press the MUTING button on the remote control.
The indicator in the FL tube will change to a red color and flashed.
To cancel,
- press the MUTING button again, *or*
- adjust the volume with the remote conrol, *or*
- turn the POWER off then on.
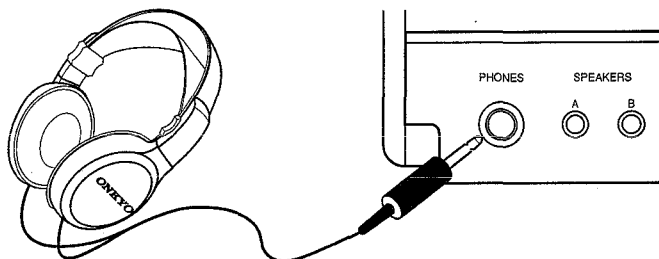
PHONES   SPEAKERS
A   B

Listening using the head-phones

Stereo headphones with a standard binaural (stereo) plug can be connected here.
When the headphone plug is inserted, the speakers are not automatically muted but can be controlled by the SPEAKER A/B buttons.

1

TAPE
MONITOR

Recording monitor

When a 3 head cassette deck it connected to the TAPE-1 terminal and used for recording, you are able to monitor the actual sound being recorded.
1. Press the TAPE MONITOR button.
- When the TAPE MONITOR button is pressed, the TAPE-1 indicator will light up.
2. Switch the MONITOR switch on the cassette deck to TAPE and you will be able to monitor the recording.
- Please refer to the Cassetto deck's instraction manual regarding operation.

14

Receiving stations
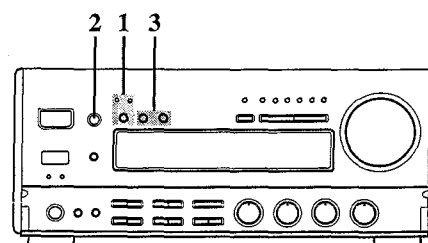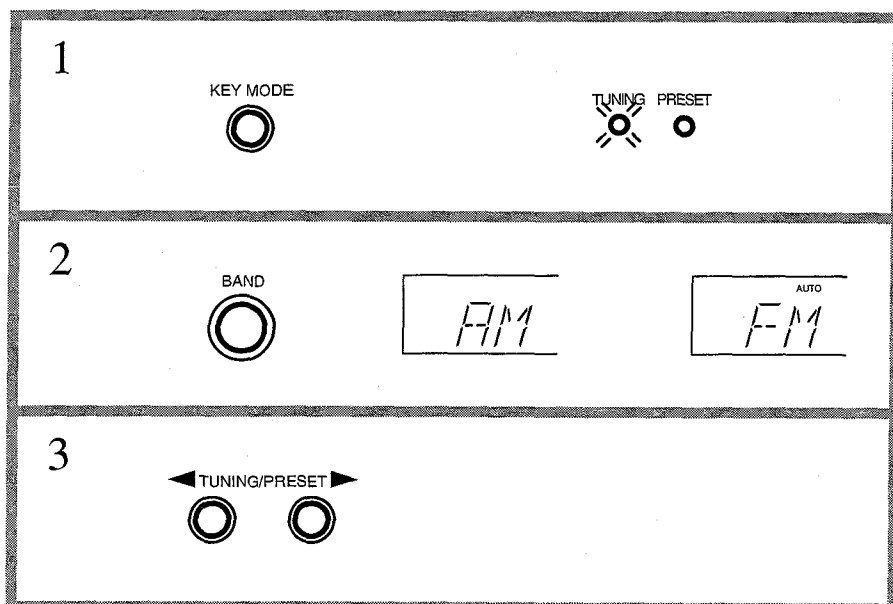
Tuning the radio

Make sure that the input selector on the amplifier has been set to TUNER.
1. **Press the KEY MODE button to enter TUNING mode.**
2. **Press the BAND button to select either FM or AM.**
3. **Use the ◄ TUNING / PRESET ► buttons to change the frequency.**
   Place the AM loop antenna or T-shaped FM antenna on a wall or other surface in the position which gives the best reception.
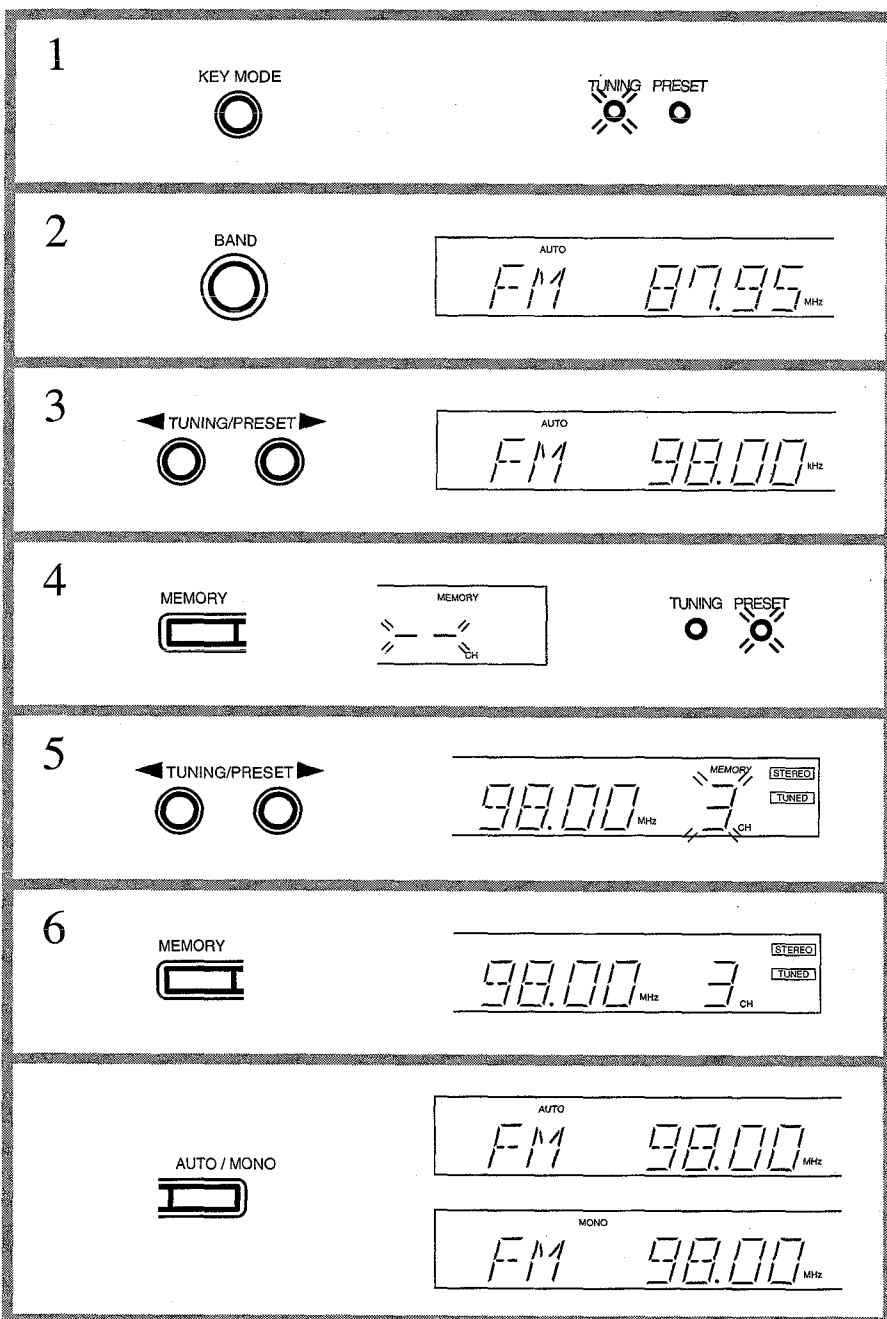
Programming radio stations

For example, to enter a station at 98.00 MHz (FM) into number 3 in the Preset Memory:
1. **Use the KEY MODE button to enter TUNING mode.**
2. **Use the BAND button to select FM.**
3. **Use the ◄ TUNING/PRESET ► buttons to select the frequency (98.00 MHz).**
   If the ◄ TUNING/PRESET ► buttons are held down for more than 0.5 second, when they are released scanning will continue automatically.
   Scanning will stop when a station is tuned into.
4. **Press the MEMORY button.**
   The memory indicator and the PRESET indicator will light up.
5. **Use the ◄ TUNING/PRESET ► buttons to select the preset number to store.**
6. **Press the MEMORY button to store the frequency into the selected preset.**

Notes:
● AM stations can be stored in the memory using the same procedure.
● Up to 30 FM and AM stations can be stored in the preset memory in total.
● If the FM station received is an RDS station with a PS (Program Service Name), the frequency display will change to the PS display.
   If there is no PS, the frequency display will not change. (Refer to page 18 for the RDS function.)

Listening to a stereo radio station

If you tune in a stereo FM station, the STEREO display will be illuminated if the signal is sufficiently strong.
If the signal is weak, it may be impossible to tune into your desired station. In this case, tune in as follows.
1. **Press the AUTO/MONO button and the MONO display lights.**
2. **Select the station you would like to listen to using the ◄ TUNING/PRESET ► buttons by single steps.**

15

Using preset stations

Cancelling preset stations

1. Select the preset station as explained in the previous section.
2. Press and hold the MEMORY button and within a second of doing this, press the AUTO/MONO button. "--" will be shown on the MEMORY channel display.

PTY Classifications in U.S.A. mode of Worldwide Models (Please see Page 18)

0		No Program Type Code	11	*OLDIES*	Oldies
1	*NEWS*	News	12	*SOFT*	Soft
2	*INFORM*	Information	13	*NOSTALGA*	Nostalgia
3	*SPORTS*	Sports	14	*JAZZ*	Jazz
4	*TALK*	Talk	15	*CLASSICL*	Classical
5	*ROCK*	Rock	16	*R & B*	R & B
6	*CLS ROCK*	Classic Rock	17	*SOFT R&B*	Soft R & B
7	*ADLT HIT*	Adult Hits	18	*LANGUAGE*	Language
8	*SOFT RCK*	Soft Rock	19	*REL MUSC*	Religious Music
9	*TOP 40*	Top 40	20	*REL TALK*	Religious Talk
10	*COUNTRY*	Country	21	*PERSNL TY*	Personality
			22	*PUBLIC*	Public

16

Entering characters
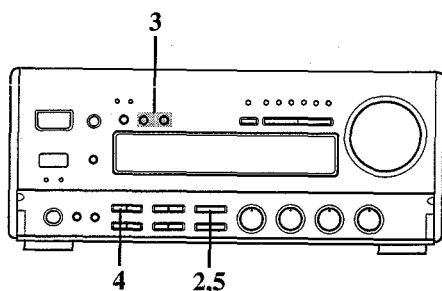
The following 54 characters can be used.

~	A	B	C	D	E	F
G	H	I	J	K	L	M
N	O	P	Q	R	S	T
U	V	W	X	Y	Z	"
&	'	(	)	*	+	,
--	\	/	--	?	[	\
]	^	0	1	2	3	4
5	6	7	8	9		

1 FM 97.05 MHz 6 CH

2 CHARACTER

3 ◄ TUNING/PRESET ►

4 MEMORY

5 CHARACTER ONKYO

---

1 ONKHO 6 CH

2 CHARACTER ONKHO

3 MEMORY ONKHO

4 ◄ TUNING/PRESET ► ONKYO

5 CHARACTER ONKYO

Entering new characters

If the station you are currently listening to on the R-811RDS is an RDS station, the program service name has priority over other information. Therefore you will not be able to enter characters for the station name.

1. Select the station you wish to name (see previous sections).
2. Press the CHARACTER button to enter character input mode.
3. Use the ◄ TUNING / PRESET ► buttons to select a character.
4. Press the MEMORY button to store the character.
   Repeat the procedures 3 and 4 to store more characters. You can store up to 8 characters in all.
   When you want to leave a space between characters, press the memory button. The bar moves on to the next position.
5. Press the CHARACTER button once again to complete the operation.

NOTE:
If you have not pressed a button for 16 seconds, the operation will complete automatically.

Changing existing characters

1. Select the station you wish to make changes to (see previous sections).
2. Press the CHARACTER button to enter character input mode.
3. Press the MEMORY button until the character which you want to change is selected.
4. Use the ◄ TUNING / PRESET ► buttons to change the character.
5. Press the MEMORY button to store the character.

Clearing all of the characters stored in memory

1. Press the CHARACTER button.
2. Hold down the MEMORY button then press the AUTO/MONO button.

17
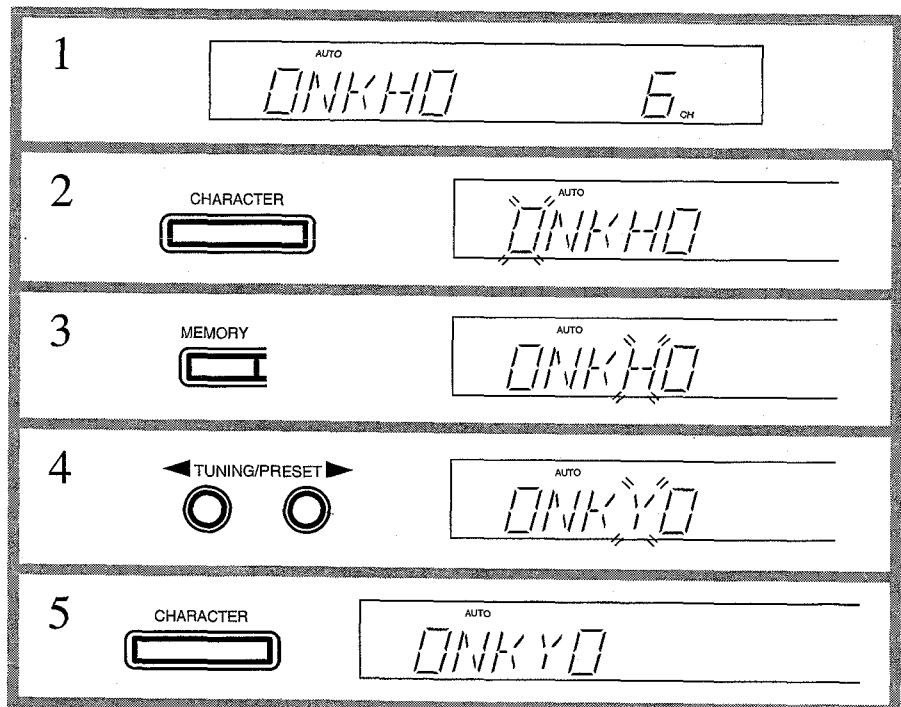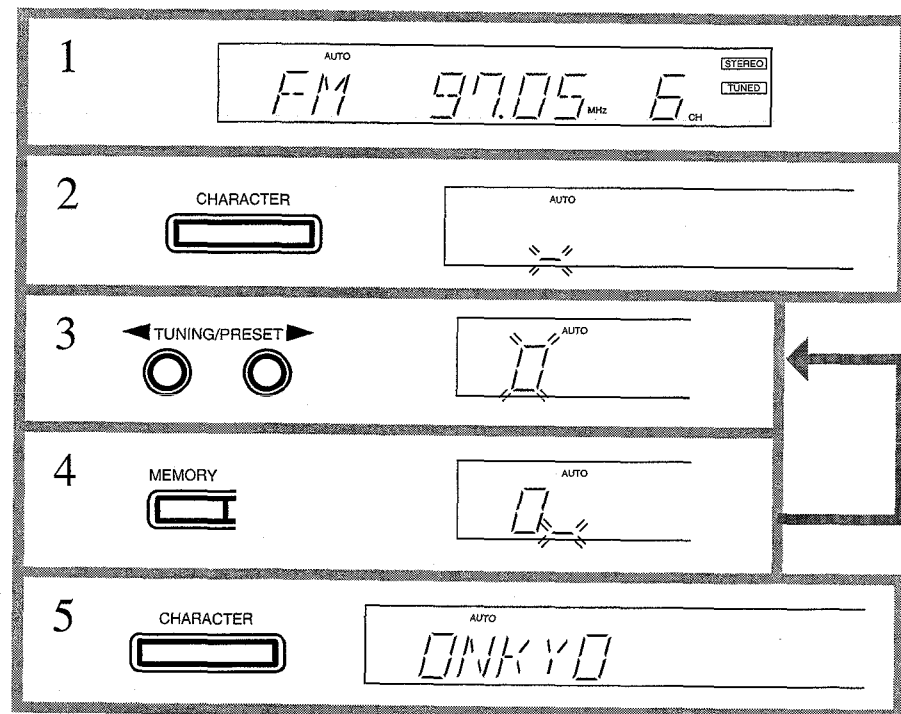
Receiving RDS

RDS reception is only available in areas where RDS broadcasts are available.

What is RDS?

Many FM stations now transmit RDS signals which give additional information. RDS provides you with various services so that (for example) you can choose a station broadcasting your favorite categories of music, or other information. The information on the right side is available on this unit.

DISPLAY

RDS
SCAN
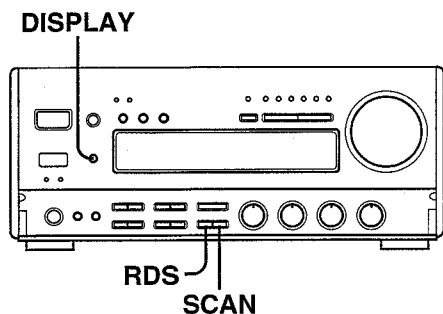
PS: **Programme Service Name**
When an RDS station broadcasting PS information is received, the name of the station will be displayed instead of the frequency.

PTY: Programme Type
When an RDS station broadcasting PTY information is received, the type (category) of the broadcast will be displayed.

TP: **Traffic Programme**
When an RDS station broadcasting TP information is received, the traffic information will be heard.

RT: **Radio Text**
When an RDS station broadcasting RT information is received, the information received from the station will be shown on the tuner's display.

PTY Classifications

| #	Display	Category	Description
1	NEWS	News reports	Short accounts of facts, events and publicly expressed views, reportage and actuality.
2	AFFAIRS	Current affairs	Topical reporting of current events and affairs.
3	INFO	Information	General information such as weather forecasts, consumer affairs , medical help etc.
4	SPORT	Sport	Programmes concerned with any aspect of sport.
5	EDUCATE	Education	Formal educational programmes.
6	DRAMA	Drama	Radio plays and serials
7	CULTURE	Culture	Cultural programmes (including religious affairs)
8	SCIENCE	Science and technology	Programmes about the natural sciences and technology.
9	VARIED	Varied	Speech based programmes not covered by the above categories eg. quizzes, panel games, comedy, etc.
10	POP M	Pop music	Commercial music, which would generally be considered to be of current popular appeal, often featuring in current or recent record sales charts.
11	ROCK M	Rock music	Contemporary modern music, usually written and performed by young musicians.
12	M.O.R M	Middle of the road music	Easy listening music as opposed to Pop, Rock or Classical.
13	LIGHT M	Light classics	Classical music for general rather than specialist appreciation.
14	CLASSICS	Serious classics	Performances of major orchestral works, symphonies, chamber music etc. and including Grand Opera.
15	OTHER M	Other music	Music styles not covered by the above categories, eg. Jazz, Rhythm & Blues, Folk, Country, Reggae.
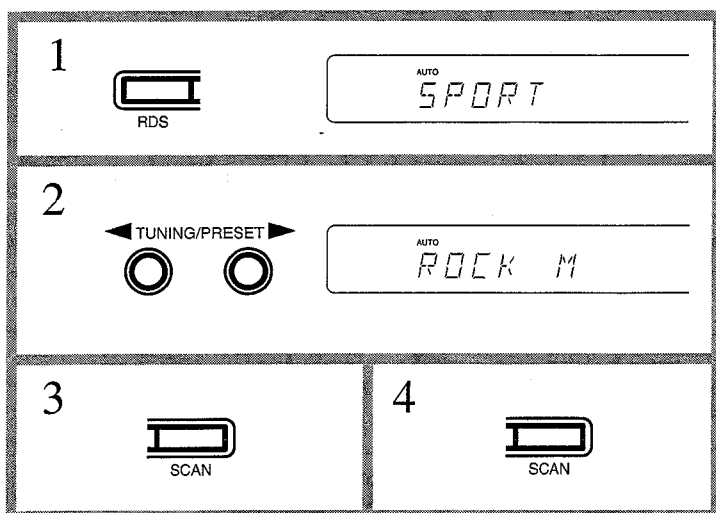
18

1

RDS

AUTO

5PORT

2

◄ TUNING/PRESET ►

○ ○

AUTO

ROCK M

3

SCAN

4

SCAN

1

RDS

AUTO

TP

2

SCAN

DISPLAY

○

1. Press the RDS button, and the programme type of the currently selected station will be shown on the display (for example, "SPORT").
   If the station you are receiving is not broadcasting RDS, "NOT RDS" (this is not an RDS station) will be shown on the display.
2. Use the ◄ TUNING/PRESET ► buttons to select another programme type (PTY) (for example, "ROCK M").
   See the PTY description on page 18 or 16.
3. Press the SCAN button to start searching for the chosen PTY. When a station is received with the desired PTY, the scanning stops for approximately 5 seconds, before the unit starts scanning again.
4. When the desired station is reached, press SCAN again to stop scanning.
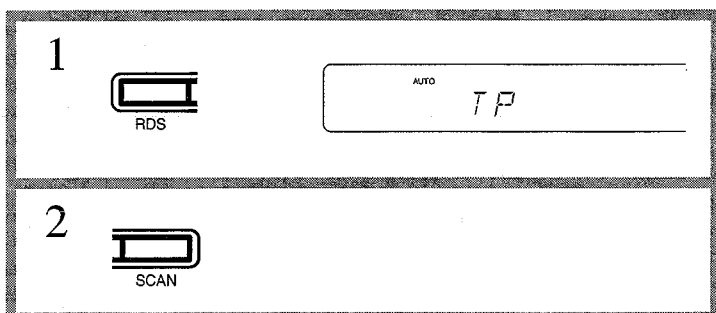
Receiving RDS traffic information

1. Press the RDS button until TP appears on the display.
   If *⚹ TP ⚹* is shown on the display, it indicates that the current station is broadcasting traffic information.
2. Press the SCAN button to start searching for a TP station.
   When the unit receives a TP station, it stops scanning. If the unit cannot receive any signal, "NOT FIND" (cannot find the station) is shown on the display.
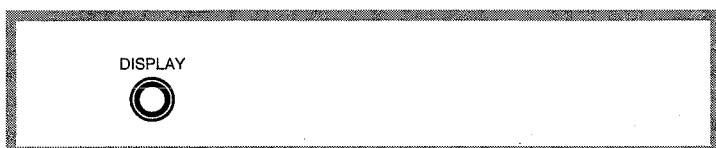
Displaying Radio Text (RT)

If the station you are listening to is not an RDS station, this function cannot be used.

1. Each time you press the DISPLAY button, the display changes as follows.

┌→ Frequency ──────→ Character or Programme
│   Service Name
└ Radio Text ←──────────────────┘
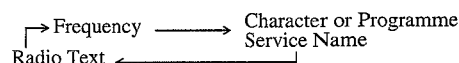
If the current station you are listening to is not an RDS station, only the frequency of the station and the characters (see pages 11) appears. (If there have been no characters entered, only the frequency is shown.)
When RT is received, it can sometimes take between a few seconds and 15 seconds (more or less) to show RT on the display. Sometimes the following messages will be shown on the display.
WAIT: indicates that it requires more time to receive the RT information. When the information is received, the characters will scroll across the display.
NO TEXT: this appears for 3 seconds and indicates that even though an RDS station is being received, there is no RT information included.

Recording operations

Please read the instruction manuals for each component for details on their operation.
Read page 22 "Connecting in series", when this amplifier is connected to Onkyo's C-711, K-W606 (K-R609).

1

TAPE-2/
TAPE-1   MD   PHONO TUNER   CD   LINE

◄   INPUT SELECTOR   ►

2   ## 3
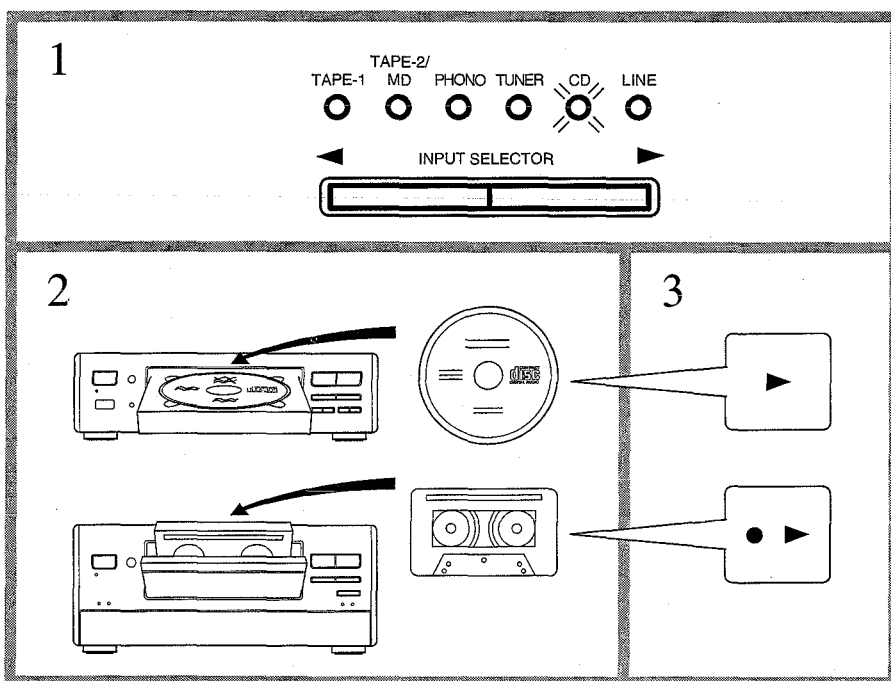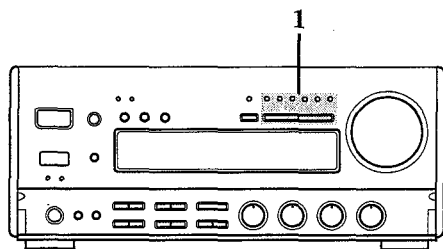
Recording an audio source

For example, when recording a CD from Tape-1 and/or Tape-2
1. Choose CD with the input selector.
2. Put the CD to be recorded into the CD player.
   Put a blank tape into Tape-1 and/or Tape-2.
3. Start playback of the CD and begin recording with the tape deck.

1

TAPE-2/
TAPE-1   MD   PHONO TUNER   CD   LINE

◄   INPUT SELECTOR   ►

2   ## 3

tape deck-2
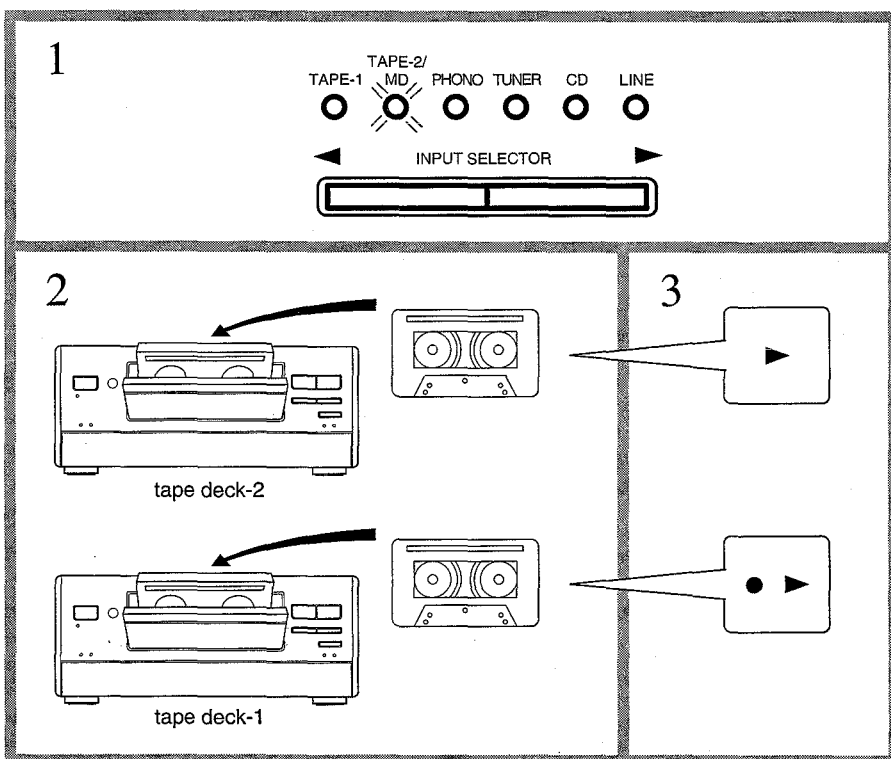
tape deck-1

Tape to tape dubbing

1. Load the original tape in deck-2 and the blank tape in deck-1.
2. Choose TAPE-2/MD with the input selector.
3. Put tape deck-2 in the playback mode and tape deck-1 in recording mode.

Connecting Onkyo components for RI operation

When Onkyo products with the RI mark are connected to the main component, you are able to operate each component with the remote control of the main component. This means you can control your whole system with just one remote control.

CD player

R-811RDS

Cassette Tape Deck

1. CD

2. DECK-A / DECK-B
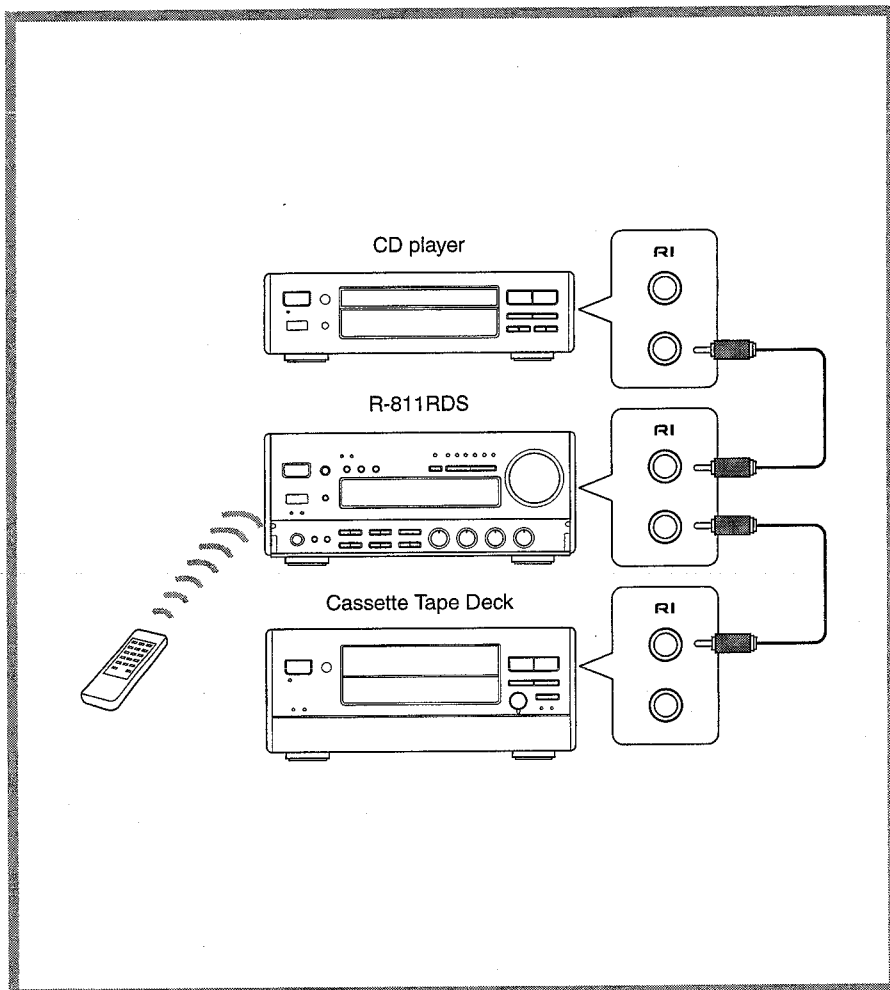
Connections for remote control (RI)

When connecting Onkyo products, it is necessary to attach the RI cable to be able to use the remote control of the main component to control the entire system.

1. To use an Onkyo compact disc player and cassette tape deck with the RI mark with this amplifier, insert the remote control cable plugs into the REMOTE CONTROL jacks as shown.

2. As the exact connection sequence of the RI cable is unimportant, you can connect from the R-811RDS to either the cassette tape deck or to the compact disc player.

3. To operate correctly, the remote control must face towards the remote control sensor of the R-811RDS.

NOTE:
● The upper and lower RI remote control jacks have the same function.
 (RI: Remote Interactive)
● A cassette tape deck, and compact disc player that have the Onkyo RI mark can be operated, using the accessory remote control unit.
● Remote control operation is not possible when only the remote control cable is connected – the audio connection cables must also be connected.
● An RI remote control cable equipped with a 1/8" (3.5mm) diameter miniature two-conductor phone plug is included with every tape deck and compact disc player with the RI mark.
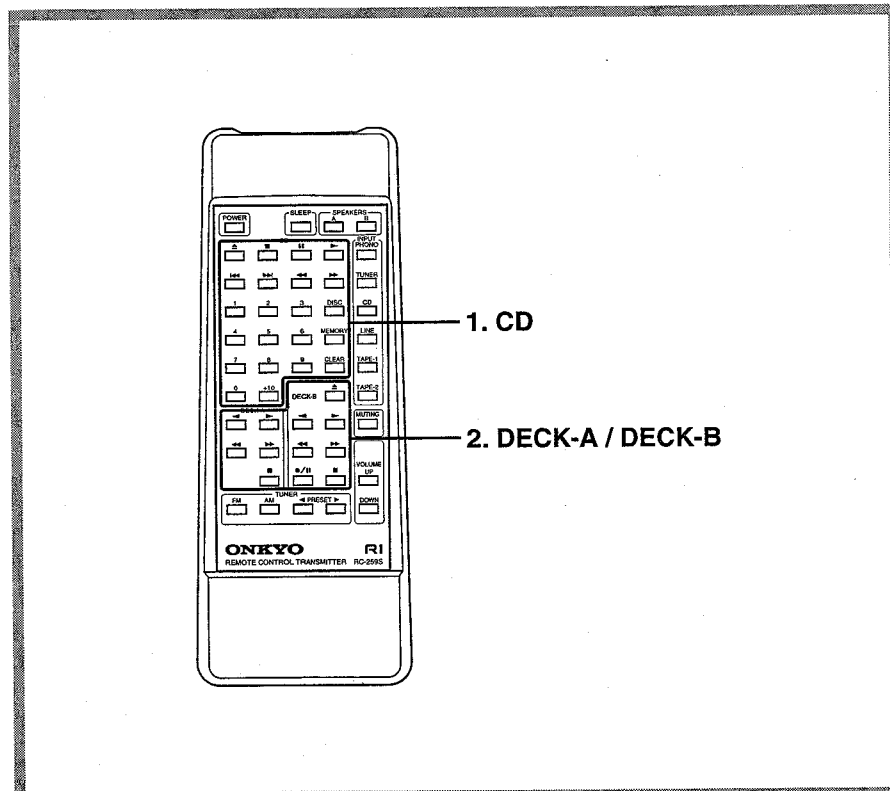
When you have made the connections mentioned above, you will be able to the use the following buttons.

1. **CD player operation buttons**

▲	: Open/close button
■	: Stop button
❙❙	: Pause button
▶	: Play button
◀◀	: Down button
▶▶❘	: Up button
◀◀	: Fast reverse button
▶▶	: Fast forward button
1 ~ 9, 0, +10	: Number buttons
DISC	: Disc button for CD changer
MEMORY	: Memory button
CLEAR	: Clear button

2. **Tape deck operation buttons**

▲	: Open/close button (Deck-B only)
◀	: Reverse play button
▶	: Forward play button
◀◀	: Fast rewind button
▶▶	: Fast forward button
■	: Stop button
●/❙❙	: Rec/pause button

* When only a single deck is used, operate DECK-B.

21

Connecting the Onkyo Liverpool Separate Collection Series

If a CD player, a tuner or an auto-reverse cassette deck from the Onkyo Liverpool Separate Collection series is connected to this unit, the following functions are possible.

CD Player such as
C-711

Amplifier such as
R-811RDS

Auto-reverse
cassette tape deck
such as K-W606
(K-R609)

ⓐ **RI** remote control cable
ⓑ Audio connection cable
ⓒ AC power supply cord
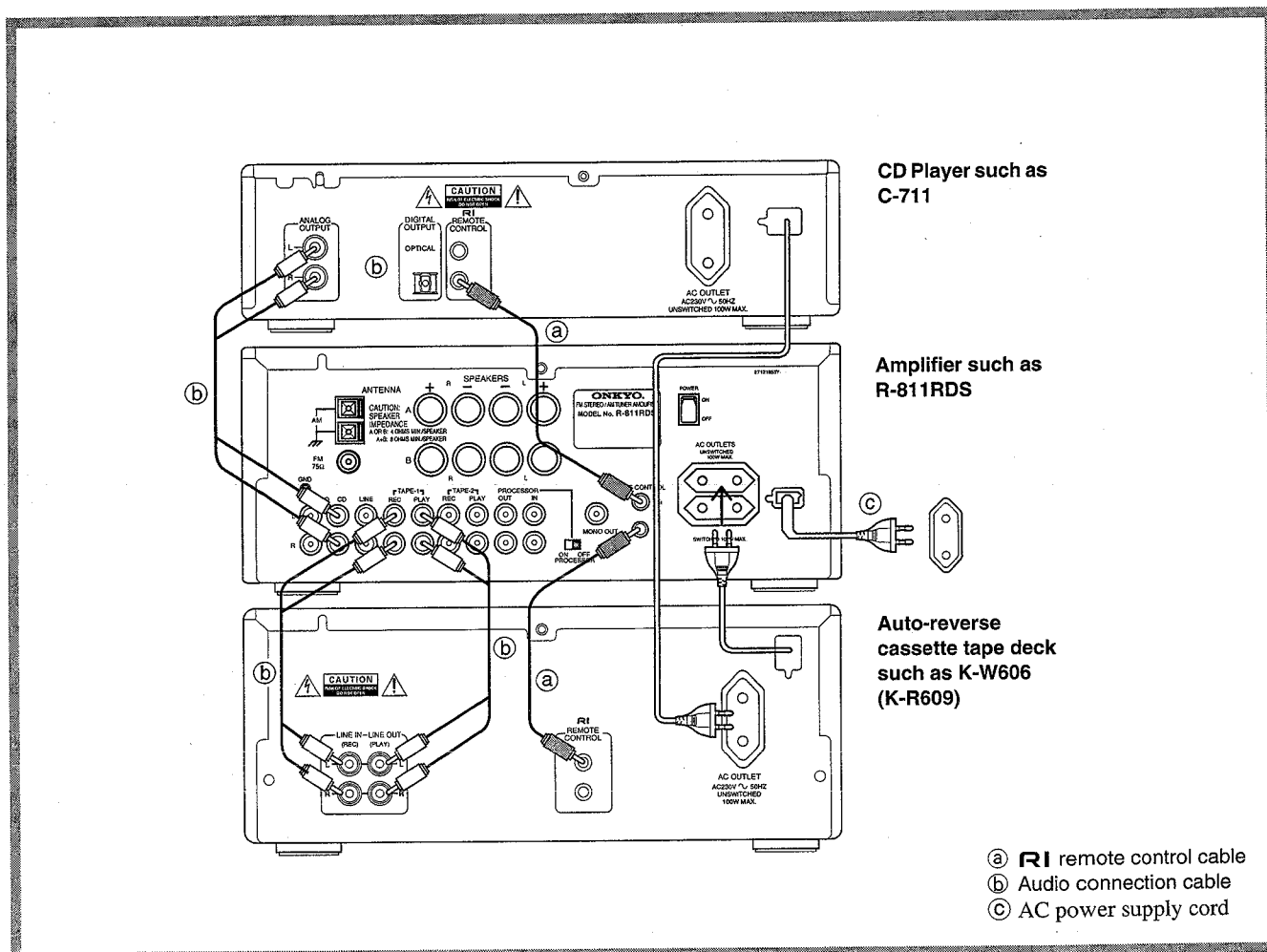
Timer function

Timer Play (once): You are able to play from your selected component (CD, tape, tuner) at the designated time.

Timer Play (weekday): You are able to play from your selected component (CD, tape, tuner) at the designated time weekdays.

Timer Play (weekend): You are able to play from your selected component (CD, tape, tuner) at the designated time weekends.

Timer Record: You are able to record your favorite programs from the tuner, starting at the designated time.

Sleep Timer: You are able to set the system to automatically turn off after a certain time, up to a maximum of 90 minutes.

One-Touch Recording from a CD player to an auto-reverse cassette deck (eg. from C-711 to K-R609)

Using One-Touch Recording to record from CD to cassette, the following operations will be performed with the pressing of just one button:
- The level will be adjusted
- The cassette will be rewound to the beginning
- The CD will start to play, and the cassette will start to record.

Additionally, the following three modes are provided:

Fadeout Dubbing: When recording from CD to tape, the last song that can be recorded on side A of the tape will fadeout at the end of the tape, and that song will be recorded again from the beginning on side B.

Album dubbing: When recording from CD to tape, as the end of the side of the tape approaches, the CD player calculates how many songs will fit on the side of the tape.

The songs not fitted on will be recorded on the other side. When calculating, if the current song does not fit on the side of the tape, the recording continues to the end of the side and the tape will reverse. The remainder of the songs will be recorded on the second side.

Time Edit: While recording from CD to tape, if the current song will not fit on side A, from the remainder of the songs on the CD the song with the best time that will fit is chosen and recorded. On side B, the song that could not be recorded at the end of side A will be recorded first, followed by the remainder of the songs, but missing out the one that was recorded on side A.

If at the end of side B the current song will not fit, the song with the best time that will fit from the remaining songs is recorded.

When all the songs have been recorded, the remainder of the tape will be recorded over blank.

* Please see the instruction manual of the cassette tape deck (such as the K-W606) for detailed operating instructions

Using the timer (Use of the Onkyo Liverpool Separate Collection)

Make sure that the clock has been set correctly before setting the timer. (See page 12)
Make sure that the source component is connected to an amplifier with a timer function, and that the CD or cassette tape has been inserted into the appropriate component.


```
SLEEP
SLEEP        90 MIN
```

```
    ┌→ 90 ──→ 80 ──→ 70 ┐
    │                   ↓
    └ Cancel ← 10 ← 20 ←┘
```
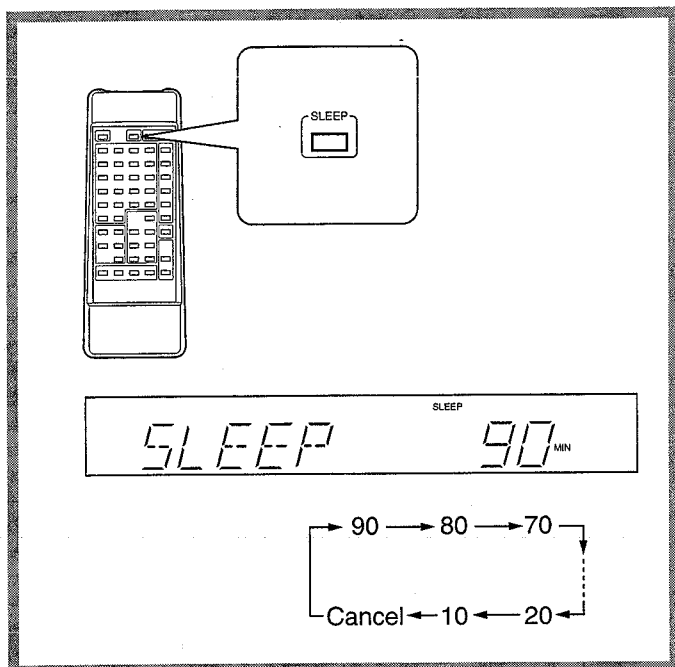
Sleep facility

The sleep timer can power off the system after a specified time period.
To operate this function, use the remote control supplied with your tuner amplifier.

1. **Start the source playing that you would like to listen to. (CD, Tape or radio broadcast)**
2. **Set the amount of time after which you want the system to turn off.**

The sleep timer works for up to 90 minutes.
You can shorten the timer by 10 minute increments by pressing the SLEEP button until the desired time has been reached.
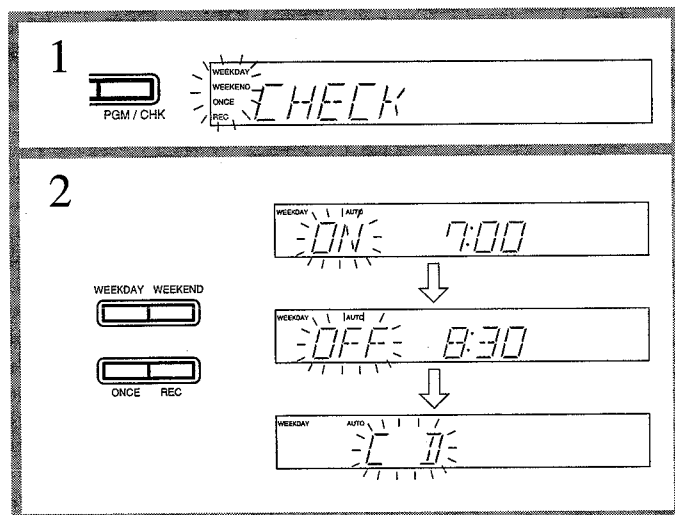When the set time comes, the power will be switched off automatically.

Canceling the SLEEP setting

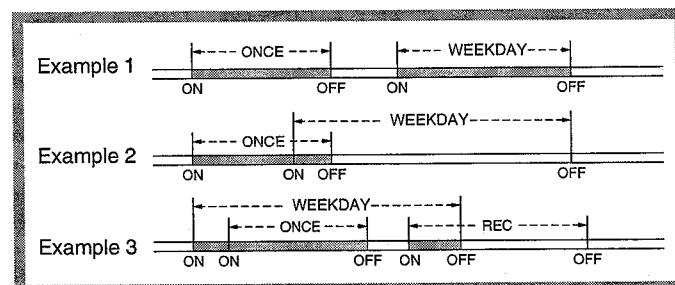Press the SLEEP button until it changes to the source display you are listening to.
or
The timer can also be cancelled while it is in operation, by turning off the power.

Checking the timer settings

1. **Press the PROGRAM/CHECK button twice to enter program check mode.**
2. **Press the button corresponding to the timer you wish to check. (WEEKDAY, WEEKEND, ONCE or REC)**
   The "ON" time is shown and flashes on the display. If you press the same button again, or leave it for 5 seconds, the "OFF" time then the source will be shown.

1

PGM / CHK

```
WEEKDAY
WEEKEND
ONCE
REC       CHECK
```

2

WEEKDAY WEEKEND

ONCE REC

```
WEEKDAY        AUTO
ON             7:00
```
⇓
```
WEEKDAY        AUTO
OFF            8:30
```
⇓
```
WEEKDAY    AUTO
   CD
```

Example 1
```
├── ONCE ──┤   ├── WEEKDAY ──┤
ON        OFF  ON           OFF
```

Example 2
```
         ├──────── WEEKDAY ────────┤
├── ONCE ──┤
ON        ON OFF               OFF
```

Example 3
```
    ├──────── WEEKDAY ────────┤
    ├── ONCE ──┤      ├── REC ──┤
ON  ON         OFF  ON  OFF     OFF
```

Note Setting the timer

You are able to make up to 3 timer settings — one for WEEKDAY, one for ONCE, and one for RECORD, provided the none of the settings overlap.
Note in example 2 that the OFF time for ONCE turns off the unit in the middle of the WEEKDAY period, because they overlap.

23

1

PGM / CHK | WEEKDAY WEEKEND ONCE REC — AUTO *PGM* | STEREO TUNED

2 WEEKDAY

ONCE

REC

3 ◄ TUNING/PRESET ►

WEEKDAY AUTO *ON 7:00*

4 MEMORY

5 ◄ TUNING/PRESET ►

WEEKDAY AUTO *OFF 8:30*

6 MEMORY

7

TAPE-2/
TAPE-1   MD   PHONO   TUNER   CD   LINE
○   ○   ○   ○   ○   ○

◄   INPUT SELECTOR   ►

WEEKDAY   AUTO   *CD*

8 MEMORY

9

POWER
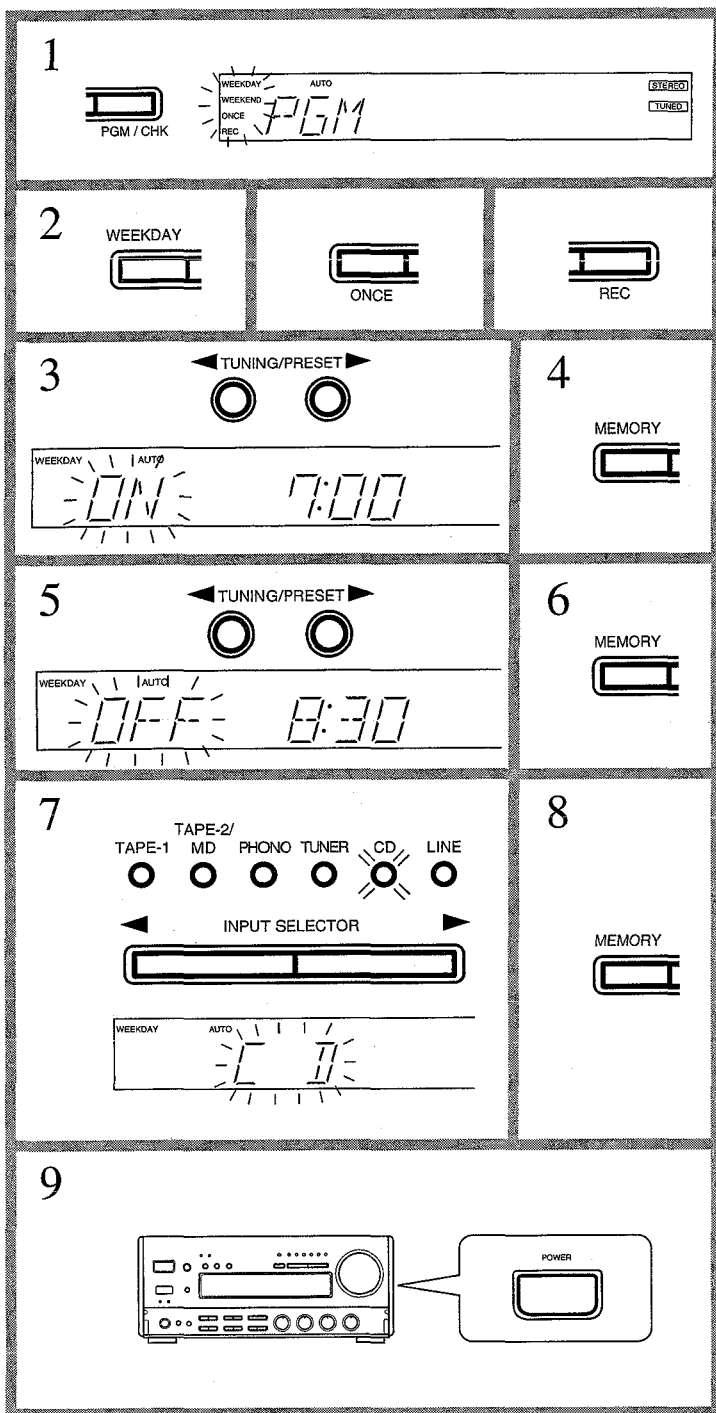
Starting playing (or recording) at a selected time

The illustration on the left is an example of setting the timer to start playing the CD at 7:00 AM and to stop playing at 8:30 AM every day.

1. **Press the PROGRAM/CHECK button to enter the timer program mode.** "PGM" is shown on the display.
2. **Select your desired mode pressing any of the following buttons.**
   WEEKDAY: When you want to start playing at certain time weekday.
   WEEKEND: When you want to start playing at a certain time during the weekend (Saturday and Sunday).
   ONCE: When you want to start and stop playback only once.
   REC: When you want to start and stop recording only once.
   "ON" will be shown on the display.
3. **Set the starting time using the ◄ TUNING/PRESET ► buttons.**
4. **Press the MEMORY button to store the "ON" time into memory.**
   After storing the "ON" time, the R-811RDS will suggest an "OFF" time of one hour after the "ON" time you specified. This can be changed to the time you desire.
5. **Set the stopping time using the ◄ TUNING/PRESET ► buttons.**
6. **Press the MEMORY button to store the "OFF" time into memory.**
7. **Use the INPUT SELECTOR button to select the source.**
   Select the component or mode you wish to turn on at the specified time, from CD, TAPE, FM or AM.
   If you have selected REC in procedure 2, this will select the recording source, either FM or AM.
8. **Press the MEMORY button to complete the operation.**
9. **Turn the R-811RDS's or R-811RDS power off.**
   All the components connected to the R-811RDS will enter stand-by mode.
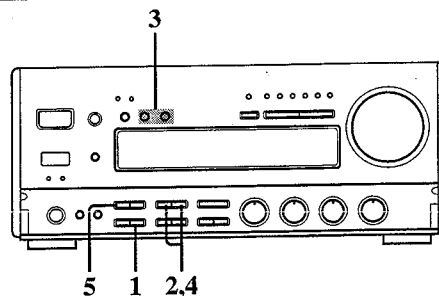
24

Changing the settings of WEEKDAY and WEEKEND
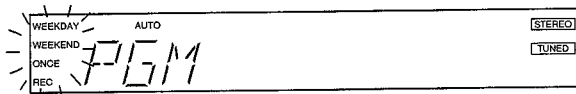
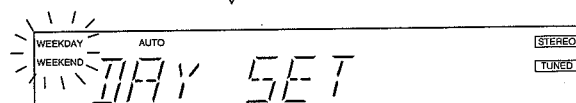The initial factory settings are:
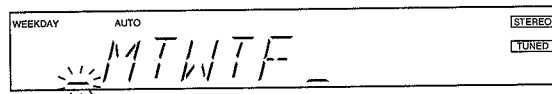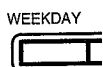**WEEKDAY** : Monday - Friday
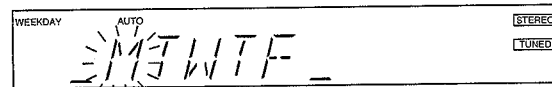**WEEKEND** : Saturday and Sunday

1

PGM / CHK

Press the button for more than 2 seconds.

2

WEEKDAY

3

◄ TUNING/PRESET ►

4

WEEKDAY

5

MEMORY
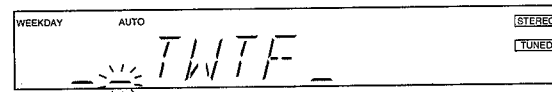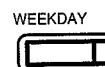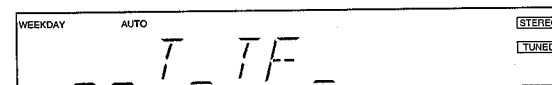
1. Press the PROGRAM/CHECK button for more than 2 seconds.
2. Press the WEEKDAY button.
3. Select the day to be changed by using ◄ ► buttons.
4. Change the setting.
● Each time the WEEKDAY button is pressed, the day that is flashing is turned on or off.
● Repeat steps 2 -4 to change another day.
5. Enter the settings.
● The entered settings are displayed for 1 second.
● The display will return to the main display after 1 second or after any button is pressed.

Changing the WEEKEND (Sat. and Sun.) settings

Follow the same procedure for changing the WEEKDAY settings, but press the WEEKEND button instead of the WEEK-DAY button in steps 2 and 4.

When the settings are incorrectly set

25
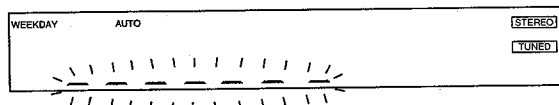
Trouble shooting guide

- **Power but no sound.**
  - *Cause:* TAPE-2 MONITOR button is on.
    - *Remedy:* Switch to off.
  - *Cause:* MUTING button is on.
    - *Remedy:* Switch to off with the remote control.
  - *Cause:* Bad/incorrect connections.
    - *Remedy:* Check input heads, speaker leads, pin plugs.
  - *Cause:* SPEAKERS button is off.
    - *Remedy:* SPEAKERS button is on.
  - *Cause:* PROCESSOR switch is on with no processor.
    - *Remedy:* PROCESSOR switch is off.

- **Hum low frequency noise**
  - *Cause:* Poor or no input ground.
    - *Remedy:* Check outer conductor of input plugs.
  - *Cause:* Poor or no phono motor ground.
    - *Remedy:* Check for proper ground connection.

- **Howling when the volume is turned up.**
  - *Cause:* Turntable and speakers are too close together.
    - *Remedy:* Move them farther apart.

- **FM tuned and stereo indicators light but sound is distorted and stereo separation is bad.**
  - *Cause:* Station is too strong.
    - *Remedy:* Change to T-shaped antenna.
  - *Cause:* Multiple reflection of the radio waves because of tall buildings or mountains.
    - *Remedy:* Use antenna which has better directivity and select a point where the distortion is least.

- **FM tuned indicator and stereo indicator flicker and hiss is heard on FM**
  - *Cause:* Station is too weak.
    - *Remedy:* Install an outdoor FM antenna.
  - *Cause:* Stereo FM broadcasts cover only about half the distance of an ordinary broadcast.
    - *Remedy:* Change the position or direction of the outdoor antenna.

- **No atation is recalled when a preset button is pressed.**
  - *Cause:* The power cord has been unplugged for a long time.
    - *Remedy:* The memory contents are lost. Store all stations again.

- **The RDS function does not work.**
  - *Cause:* It is not RDS station.
    - *Remedy:* Receive an RDS station.
  - *Cause:* The reception station signal is too weak.
    - *Remedy:* Install an outdoor FM antenna.
    - *Remedy:* Change the position or direction of the outdoor antenna.
  - *Cause:* Too much intergerence.
    - *Remedy:* Move the antenna as far away as possible from the fluorescent lamp.
    - *Remedy:* Install an outdoor FM antenna as far away as possible from the road.

Specifications

Amplifier section

Power Output:	2 × 50 watts at 4 ohms 1 kHz DIN 2 × 35 watts at 8 ohms 1 kHz DIN
Continous Power Output:	32 watts per channel min. RMS. at 8 ohms both channels driven, from 20 Hz to 20 kHz with no more than 0.2% THD.
Dynamic power output	2 × 70 watts at 4 ohms 2 × 40 watts at 8 ohms
Total Harmonic Distortion:	0.2% at rated power 0.1% at 1 watt output
IM Distortion:	0.1% at rated output
Damping Factor:	40 at 8 ohms
Frequency Response:	20Hz to 30 kHz ± 1 dB
RIAA Deviation:	20Hz to 20 kHz ± 0.8 dB
Sensitivity and Impedance:	Phono: 2.5 mV/50 kohms; CD/Tape Play: 150 mV/50 kohms Tape Rec:150 mV 2.2 kohms
Phono Overload:	100 mV RMS at 1 kHz, 100 mV 0.5% THD
Signal-to-Noise Ratio:	Phono: 80 dB (IHF A, 5 mV input); CD/Tape: 100 dB (IHF A)
Tone:	Bass: ±10 dB at 100 Hz; Treble: ±10 dB at 10 kHz Super Bass:10 dB at 55 Hz
Muting:	– ∞ dB

Tuner section

Tuning Range:	FM;	European models 87.50-108.00 MHz (50 kHz steps) Worldwide models 87.50-108.00 MHz (50 kHz steps) 87.9-107.9 MHz (200 kHz steps)
	AM;	European models: 522-1611 kHz (9 kHz steps) Worldwide models: 531-1602 kHz (9 kHz steps) 530-1710 kHz (10 kHz steps)
Usable Sensitivity:	FM;	Mono: 11.2 dBf, 1.0μV, 75 Ohms IHF, 0.9μV 75 Ohms DIN Stereo: 17.2 dBf, 2.0μV, 75 Ohms IHF, 20μV 75 Ohms DIN
	AM;	25μV
50 dB Quieting Sensitivity:	FM;	Mono: 16.1 dBf 1.7μV 75 ohms, Stereo: 36.1 dBf 17 μV 75 ohms
Capture Radio:	FM;	1.5 dB
Image Rejection Radio:	FM;	80 dB AM; 40 dB
IF Rejection Ratio:	FM;	90 dB AM; 40 dB
Signal-to-Noise Ratio:	FM;	Mono: 73 dB IHF, Stereo: 66 dB IHF
	AM;	40 dB
Selectivity:	FM;	55 dB DIN (±300 kHz, 40 kHz dev.)
AM Suppression Ratio:	FM;	50 dB
Total Harmonic Distortion:	FM;	Mono: 0.1%, Stereo: 0.2%
	AM;	0.8%
Frequency Response:	FM;	30-15,000 Hz (±1.5 dB)
Stereo Separation:	FM;	40 dB at 1 kHz, 30 dB at 70-10,000 Hz
Output Voltage:	FM;	0.75V AM; 150 mV

General

Power Supply:	European models (except U.K.): AC230V, 50 Hz Canadian models: AC120 V, 60 Hz U.K. & Australian models: AC240 V, 50 Hz Worldwide models: AC120 V and 220 V switchable, 50/60 Hz
Dimenstions (W × H × D):	275 × 118 × 336 mm (10-7/8" × 4-11/16" × 13-7/32")
Weight:	5.5 kg, 12.1 lbs.